JVC

SERVICE MANUAL

LCD FLAT TELEVISION

LT-32X575/KA,
LT-32X585/KA

BASIC CHASSIS
FL

I'Art Palette

D.I.S.T. Digital Image Scaling Technology

BBE

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

[LT-32X585]

TABLE OF CONTENTS

No.YA180
2004/8

SPECIFICATION

Items		Contents
Dimensions (W × H × D)		83.4cm × 63.2 cm × 30 cm (32-7/8 × 25 × 11-7/8) [Included stand] 83.4cm × 56.8 cm × 10.8 cm (32-7/8 × 22-3/8 × 4-1/4) [TV only]
Mass		23 kg (50.6lbs) [Included stand] 19.8kg (43.6lbs) [TV only]
Power Input		AC120V , 60Hz
Power Consumption		195W (Max)
TV RF System		CCIR (M)
Color System		NTSC
Sound System		BTSC (Multi Channel Sound)
Teletext System		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency	VHF Low VHF High UHF CATV	02ch to 06ch : 54MHz to 88MHz 07ch to 13ch : 174MHz to 216MHz 14ch to 69ch : 470MHz to 806MHz 54MHz to 804MHz Low Band : 02 to 06, A-8 by 02 to 06&01 High Band : 07 to 13 by 07 to 13 Mid Band : A to I by 14 to 22 Super Band : J to W by 23 to 36 Hyper Band : W+1 to W+28 by 37 to 64 Ultra Band : W+29 to W+84 by 65 to 94, 100 to 125 Sub Mid Band : A4 to A1 by 96 to 99
TV / CATV Total Channel		181 Channels [Reception of channel A-5 (“95” of the TV set’s on-screen CABLE channel) is recommended for your TV set.]
Intermediate Frequency	Video IF Sound IF	45.75 MHz 41.25 MHz (4.5MHz)
Color Sub Carrier		3.58 MHz
LCD panel		32V-inch wide aspect (16:9)
Screen Size		Diagonal : 80cm (H:69.7cm × V : 39.2cm)
Display Pixels		Horizontal : 1280 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10W + 10W
Speaker		6.6cm, round type × 2 (Oblique corn)
Antenna terminal (VHF/UHF)		F-type connector, 75Ω unbalanced, coaxial
Video / Audio input [INPUT-1/2/3]	Component Video [INPUT-1] 1125i / 750p 525p / 525i S-Video [INPUT-1/2] Video Audio	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin × 2 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3 500mV (rms), High impedance, RCA pin jack × 6
Digital input	Video Audio	HDMI connector × 1 (Digital-input terminal is not compatible with picture signals of computer signal) Digital: HDMI connector × 1 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
Audio output		500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5mm stereo mini jack × 1
Remote Control Unit		RM-C1257G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

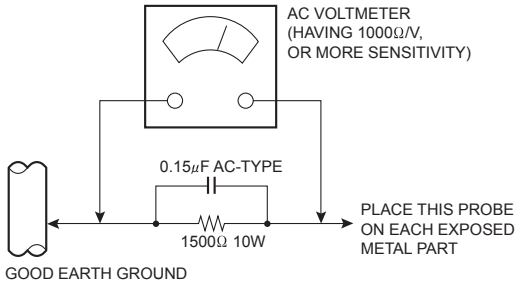
(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

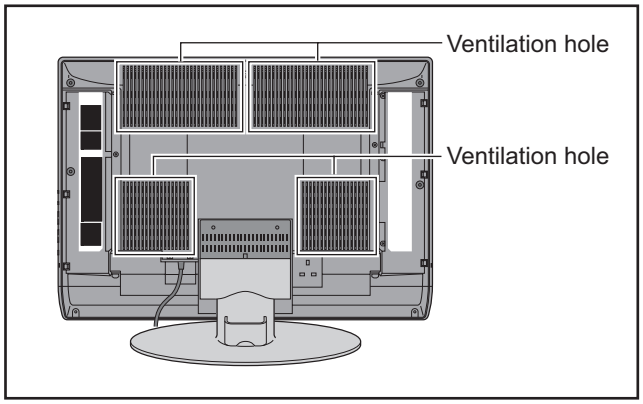
Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

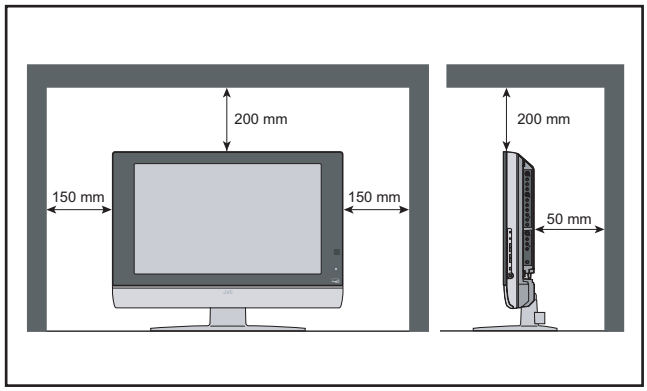
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



1.2.2 INSTALLATION REQUIREMENTS

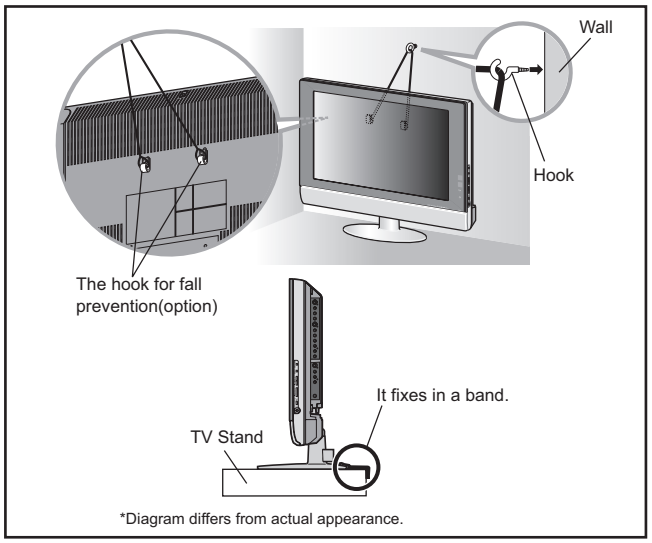
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Use the supplied screws to firmly attach the supplied hooks (OPTION) to the back of the TV, and use commercially available cord to fix the TV to rigid components such as walls and columns.



1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

D.I.S.T. (Digital Image Scaling Technology)
This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION [LT-32X585]
Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND [LT-32X585]
Decreases high sound levels, giving a regulated sound level.

VIDEO STATUS
Expression of a favorite screen can be chosen by the VIDEO STATUS function.
[STANDARD ↔ DYNAMIC ↔ THEATER ↔ GAME]

DIGITAL INPUT
Digital-in will display when any picture signal (480i/ 480p, 720p/ 1080i) in Digital-in is displayed.

V-CHIP
Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO
The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA
Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

BBE
High definition audio adds natural, clear and extraordinary sound quality to any program.

VIDEO INPUT LABEL
This function is used to label video input connections for the onscreen displays.

A.H.S.
Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

2.2 MAIN DIFFERENCE LIST

Item	LT-32X575	LT-32X585
FRONT PANEL COLOR	SILVER	BLACK
SMART SOUND	NO	YES
SMART CAPTION	NO	YES

2.3 TECHNICAL INFORMATION

2.3.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.
Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.3.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Maximum dimensions (W × H × D)	780mm × 450mm × 51mm	
Weight	9.2kg	
Effective screen size	Diagonal: 800mm (H: 697mm × V : 392mm)	32V type
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT, active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB <W-XGA>	3147264 dots in total
Pixel pitch (pixel size)	Horizontally:0.51057mm, Vertically:0.510575mm	
Displayed color	16777216 colors	256 colors for R, G, and B
Brightness	500cd/m^2	
Contrast ratio	800 : 1	
Response time	15ms	
View angle	Horizontally: 170°, Vertically: 170°	
Surface polarizer	Anti-Glare type, Low reflective coat	
Color filter	Vertical stripe	
Backlight	Cold cathode fluorescent lamp × 16	
Power supply voltage in LCD	5V	
Power supply voltage in inverter	12V	
Panel interface system	LVDS (Low Voltage Differential Signaling)	

2.3.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

(1) BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.
For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

(2) DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

(3) FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.3.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	NC	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	NC	O	Not used
3	NC	O	Not used	53	NC	O	Not used
4	NC	O	Not used	54	NC	O	Not used
5	DIGR0	O	R [0] for OSD	55	NC	O	Not used
6	TB1in	I	AC power for timer clock	56	NC	O	Not used
7	REMO	I	Remote control	57	NC	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	NC	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	NC	O	Not used
10	DIGG0	O	G [0] for OSD	60	NC	O	Not used
11	DIGB0	O	B [0] for OSD	61	NC	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock osillation (crystal) : 16MHz	63	NC	O	Not used
14	Vss	-	GND	64	VSYNC	I	V. sync for OSD
15	Xin	I	System clock osillation (crystal) : 16MHz	65	NC	O	Not used
16	Vccl	I	3.3V stand-by power supply	66	NC	O	Not used
17	OSC1	I	Clock for OSD	67	NC	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	NC	O	Not used
19	INT1	I	AV COMPULINK control	69	NC	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	NC	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	NC	O	Not used
22	OUT2	O	YM (transparence) for OSD	72	NC	O	Not used
23	NC	O	Not used	73	NC	O	Not used
24	NC	O	Not used	74	NC	O	Not used
25	NC	O	Not used	75	NC	O	Not used
26	NC	O	Not used	76	NC	O	Not used
27	CTA2/RTS2	O	Not used : Digital tuner control	77	NC	O	Not used
28	CLK2	O	Not used : Digital tuner control	78	NC	O	Not used
29	RxD2	I	Not used : Digital tuner control	79	NC	O	Not used
30	TxD2	O	Not used : Digital tuner control	80	NC	O	Not used
31	SDA2	I/O	Not used	81	NC	O	Not used
32	DIGR1	O	R [1] for OSD	82	NC	O	Not used
33	DIGG1	O	G [1] for OSD	83	NC	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Not used : Card detection for ATSC digital tuner
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Not used : Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	NC	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	NC	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	NC	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

2.3.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y]

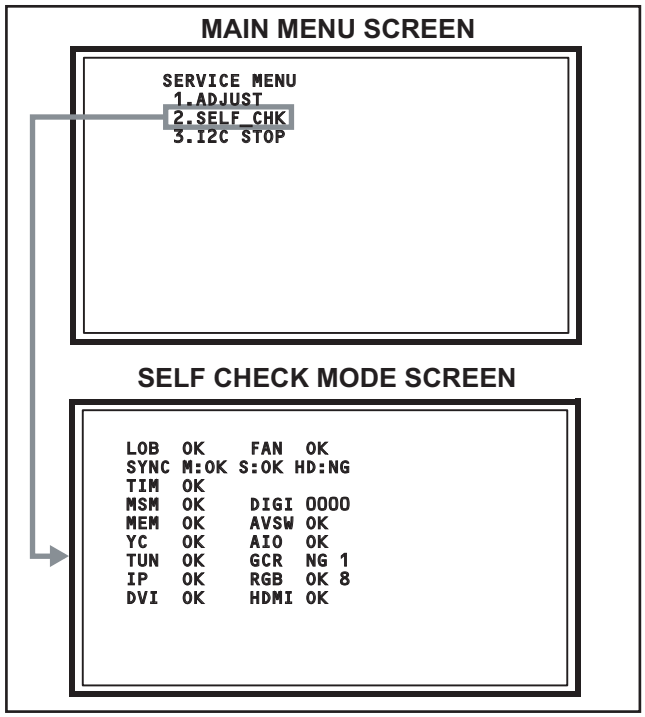
Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	Not used : RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEP-ROM (IC7002)
8	ILA0	O	Not used : LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEP-ROM (IC7002)
9	ILA1	O	Not used : LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGII_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for SUB (OSD) CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for SUB (OSD) CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for SUB (OSD) CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for SUB (OSD) CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	for DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillatior	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillatior	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock osillation (crystal) : 16MHz	73	SBD5	I/O	Not used : Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock osillation (crystal) : 16MHz	74	SBT5	I	Not used : Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	No use : Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	No use : Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	No use : System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communiation monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset =]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3
DISASSEMBLY

3.1 SYSTEM SETTEING

When the DIGITAL SIGNAL PWB is replaced or the DIGITAL INPUT is not normal, SYSTEM SETTING in the following procedure.

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
(3) When the Main Menu is displayed, press [2] key to enter the self check mode.
(4) Turn off the power by pressing the [POWER] key on the remote control unit.



3.2 DISASSEMBLY PROCEDURE

NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

CAUTION AT DISASSEMBLY

- Pay extra attention in the following matter when turning the power on with the REAR COVER removed.
  (1) Prior to disassembly, unplug the power cord from the AC outlet without fail. (Turn the power "off".)
  (2) Make sure that the **RECEIVER PWB: IC3102** is completely covered with black masking tape. (Fig.1)
  (3) Make sure to remove the masking of **RECEIVER PWB: IC3102** when attaching the REAR COVER.
  (4) Do not turn the power on until the REAR COVER is attached properly, after the masking is removed.

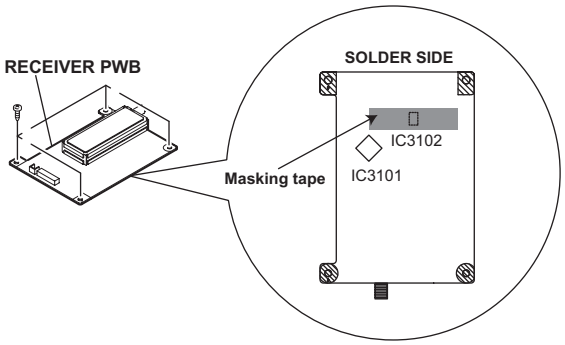


Fig.1

3.2.1 REMOVING THE STAND

(1) Remove the 2 screws **[A]**, Then remove the STAND COVER.
(2) Remove the 4 screws **[B]**, Then remove the STAND.

3.2.2 REMOVING THE REAR COVER

- Remove the STAND.

(1) Remove the JACK COVER (L/R).
(2) Remove the 7 screws **[C]**, 4 screws **[D]**, and 1 screws **[E]** .
(3) Remove the REAR COVER.

CAUTION:

- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR COVER.

UNPLUG THE POWER CORD FROM AC OUTLET BEFORE REMOVING THE REAR COVER

When the rear cover is removed, follow 'CAUTION AT DISASSEMBLY' procedure in the service manual before plugging the TV's power cord into an AC outlet. Failure to follow the procedure will result in PERMANENT damage to some of the television features.

DÉBRANCHEZ LE CORDON DE LA PRISE DE COURANT C. A. AVANT DE RETIRER LE COUVERCLE ARRIÈRE.

Une fois le couvercle arrière déposé suivez la procédure « ATTENTION LORS DU DÉMONTAGE » décrite dans la manuel de service avant de brancher le cordon du téléviseur dans une prise c. a. L'omission de suivre la procédure causera des dommages PERMANENTS à certaines fonctions du téléviseur.

3.2.3 REMOVING THE POWER PWB / REGULATOR PWB

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 5 screws **[F]**, Then remove the FAN BRACKET.
(2) Remove the 1 screw **[G]**, Then remove the POWER CORD HOLDER.
(3) Remove the POWER CORD from the POWER PWB.
(4) Remove the REGULATOR PWB.
(5) Remove the 5 screw **[H]**, Then remove the POWER PWB.

3.2.4 REMOVING THE ANALOG SYGNAL PWB

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 6 screws **[J]** Then remove the TERMINAL BASE.
(2) Remove the 6 screws **[K]** Then remove the ANALOG SYGNAL PWB.

3.2.5 REMOVING THE FRONT CONTROL PWB CONTROL / FRONT SENSOR PWB

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screws **[L]**, Then remove the CONTROL KNOB ASSY.
(2) Remove the 2 screws **[M]**, Then remove the FRONT CONTROL PWB.
(3) Remove the FRONT SENSOR PWB.

3.2.6 REMOVING THE RECEIVER PWB / CONNECTOR PWB

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[O]** Then remove the RECEIVER PWB.
(2) Remove the 4 screws **[P]** Then remove the RECEIVER PWB BRACKET.
(3) Remove the 2 screws **[Q]** Then remove the CONNECTOR PWB.

3.2.7 REMOVING THE DIGITAL SIGNAL PWB

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 3 screws **[R]** and 1 screw **[S]**, Then remove the TUNER BASE.
(2) Remove the 5 screws **[T]**, Then remove the DIGITAL SIGNAL PWB.

CAUTION:

Make sure to perform the "SYSTEM SETTING" on page 1-10, when DIGITAL SIGNAL PWB is replaced.

3.2.8 REMOVING THE SPEAKER

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 5 screws **[a]**, Then remove the SPEAKER BOX.
(2) Remove the 4 screws **[b]**, Then remove the SPEAKER (L /R).
(3) Remove the 4 screws **[c]**, Then remove the DUCT(L/R).

NOTE:

Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.

3.2.9 REMOVING THE LCD PANEL UNIT

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 6 screws **[d]** and 4 screws **[e]**.
(2) Remove the LCD PANEL UNIT.
(3) Remove the 7 screws **[f]**. Then, remove the MAIN BASE.
(4) Remove the 2 screws **[g]**. Then, remove the TOP FRAME.
(5) Remove the 2 screws **[h]**. Then, remove the BOTTOM FRAME.

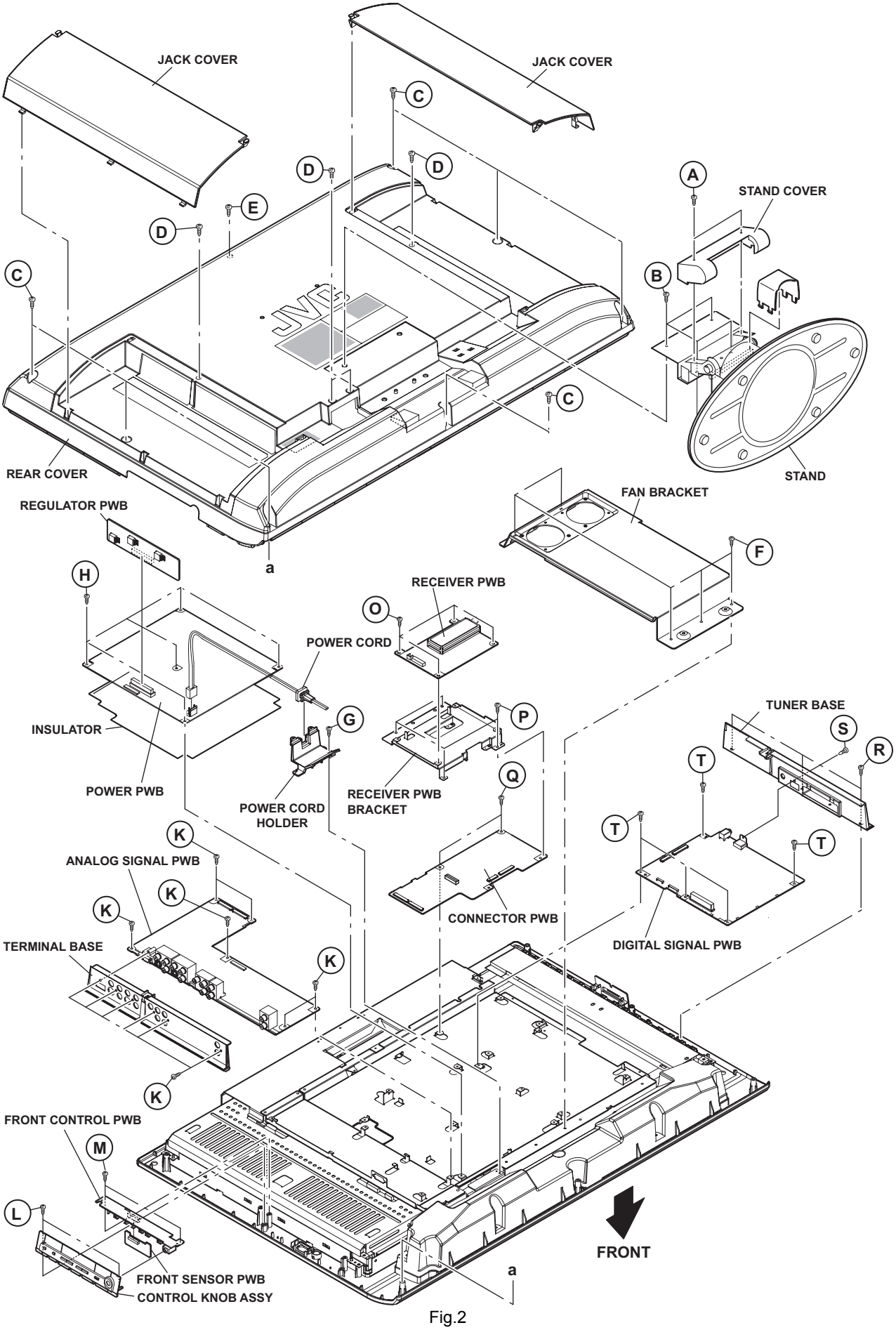

JACK COVER
JACK COVER
C
D
D
D
E
A
STAND COVER
B
C
C
REAR COVER
a
STAND
FAN BRACKET
F
REGULATOR PWB
H
RECEIVER PWB
O
POWER CORD
INSULATOR
G
P
TUNER BASE
S
R
T
Q
POWER PWB
POWER CORD HOLDER
RECEIVER PWB BRACKET
T
T
K
ANALOG SIGNAL PWB
K
K
CONNECTOR PWB
DIGITAL SIGNAL PWB
TERMINAL BASE
K
K
FRONT CONTROL PWB
M
L
FRONT
FRONT SENSOR PWB
CONTROL KNOB ASSY
a

Fig.2

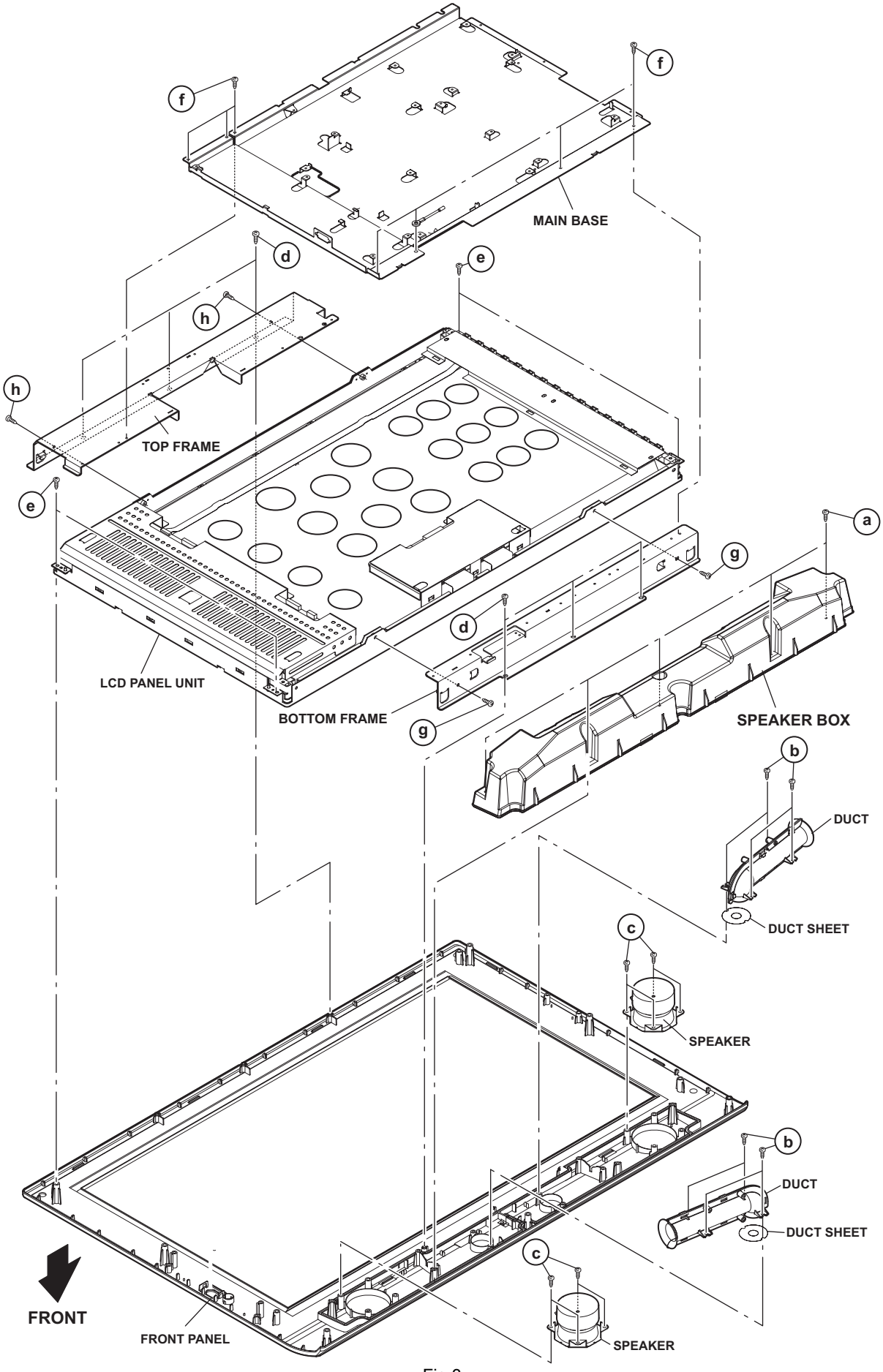

f
f
MAIN BASE
d
e
h
h
TOP FRAME
e
a
g
d
LCD PANEL UNIT
BOTTOM FRAME
g
SPEAKER BOX
b
DUCT
DUCT SHEET
c
SPEAKER
b
DUCT
DUCT SHEET
c
SPEAKER
FRONT
FRONT PANEL

Fig.3

3.3 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.3.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

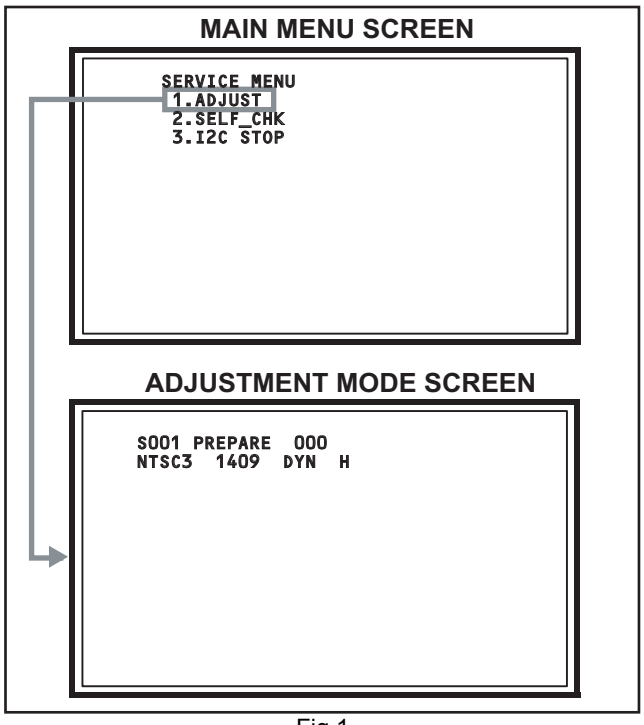


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video sytetem setting	Adjust	S001 to S039
Audio sytetem setting	Adjust	T001 to T010
Panel control sytetem setting	Fixed	P001 to P010
Drive sytetem setting	Fixed	D001 to D187
Main cpu system setting	Fixed	Z001 to Z010

3.3.3 SETTINGS OF FACTORY SHIPMENT

3.3.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10

3.3.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
ASPECT	NTSC	PANORAMA
	HD	FULL
SLEEP TIMER		OFF
THEATER PRO		OFF
VIDEO STATUS		DYNAMIC
SOUND EFFECT	A.H.S	OFF
	BBE	ON
	SMART SOUND	OFF [LT-32X585]
	A.H.B	OFF

3.3.3.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+10	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

< HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+05	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
MTS	STEREO

3. CLOCK / TIMERS

Setting item	Setting position
SET CLOCK	OFF
ON / OFF TIMER	OFF

4. INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	SIZE 1
DIGITAL-AUDIO	DIGITAL
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	OFF
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	OFF
V-CHIP	OFF
AUTO DEMO	OFF

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

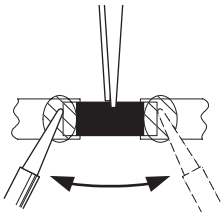
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

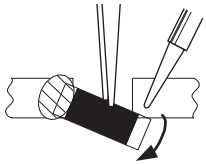
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



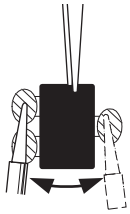
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



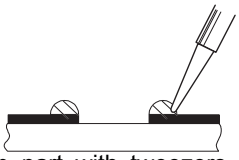
NOTE :

After removing the part, remove remaining solder from the pattern.

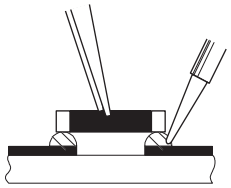
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

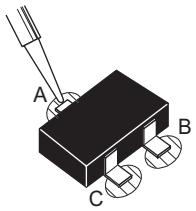


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

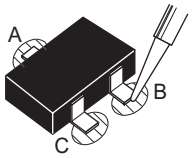


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings
VIDEO STATUS	STANDARD
BRIGHT / CONTRAST / COLOR / TINT	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
NATURAL CINEMA	OFF
TREBLE / BASS / BALANCE	00
BBE	OFF
A.H.S	OFF
A.H.B	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
  [NTSC / 525i / 525p / 750p / 1125i / DIGITAL]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ VIDEO CIRCUIT

- 525i A-D OFFSET adjustment
- 1125i BRIGHTNESS adjustment
- 1125i A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGHLIGHT) adjustment

■ MTS CIRCUIT

- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

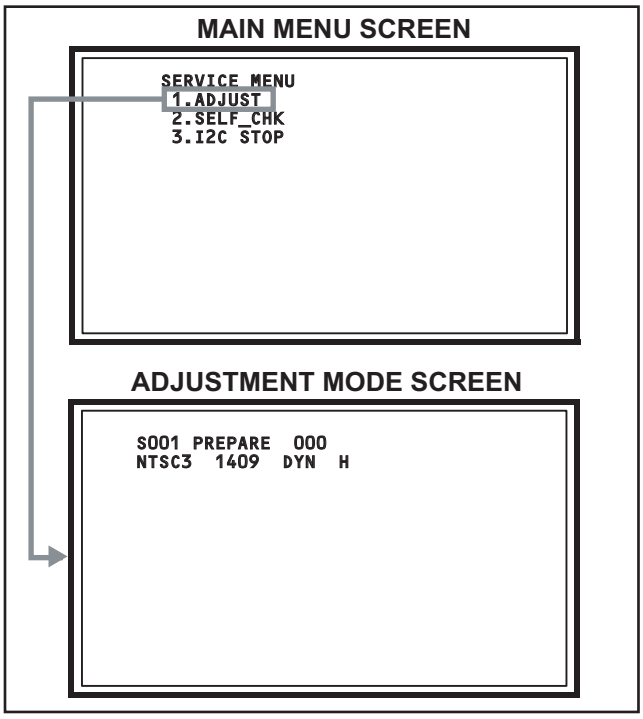
4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE mode.
(3) When the MAIN MENU SCREEN is displayed, press [1] key to enter the adjustment mode.

NOTE:

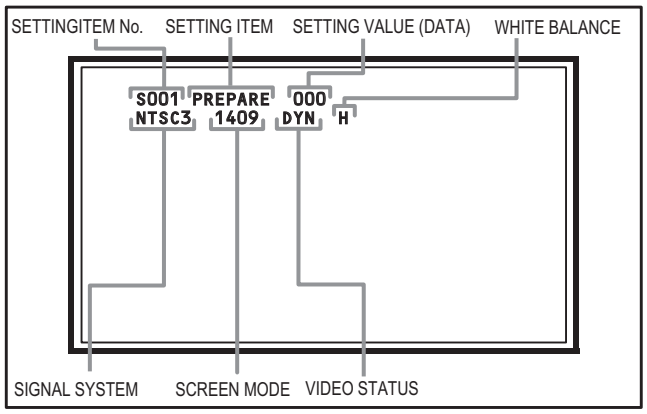
- Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the [1] to [3] key is pressed in the MAIN MENU SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the [MENU] key to return to the MAIN MENU SCREEN.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the [BACK] key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3	: 525i (Composite / S-video input)
525I	: 525i (Component input)
525P	: 525p
1125I6	: 1125i
750P	: 750p
H525I	: HDMI 525i
H525P	: HDMI 525p
H125I6	: HDMI 1125i
H750P	: HDMI 750p

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

1409	: FULL
1609	: PANORAMA, HD PANORAMA
1609S	: CINEMA, CINEMA ZOOM
FULL	: REGULAR

MULTI SCREEN

M12	: FREEZE screen
FRZ	: TWIN screen
STD	: INDEX screen

(3) VIDEO STATUS

STD	: STANDARD
DYN	: DYNAMIC
TH	: THEATER
GAME	: GAME

(4) WHITE BALANCE

H	: HIGH
M	: LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 to S039	Video sytetem setting
T001 to T010	Audio sytetem setting
P001 to P010	Panel control sytetem setting
D001 to D187	Drive sytetem setting
Z001 to Z010	Main cpu system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- [CHANNEL (+/-)] key.
  For scrolling up / down the setting items.

  S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

- [SLEEP TIMER] key.
  For switching to next items.

  S001 → T001 → P001 → D001 → Z001

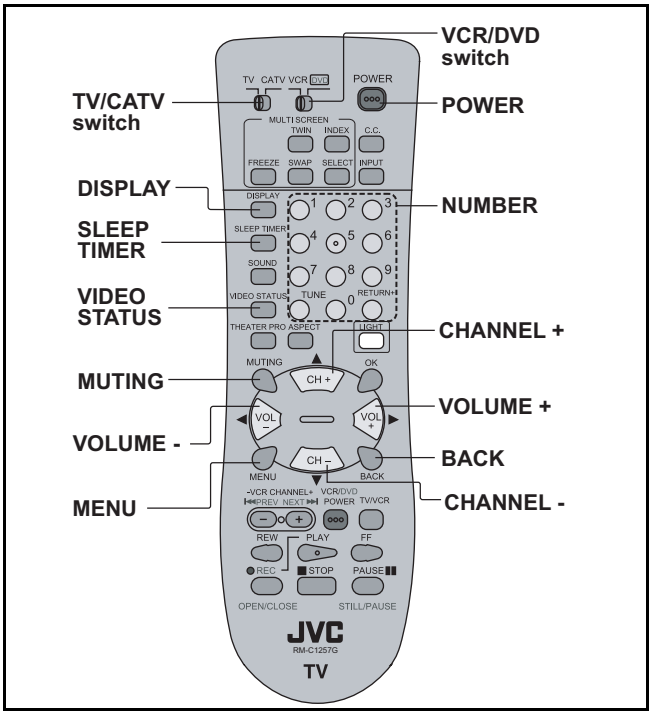
CHANGE OF SETTING VALUE (DATA)

- [VOLUME (+/-)] key.
  For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

4.5.5 SERVICE MODE SELECT KEY LOCATION



4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
S001	PREPARE	000 to 031	000
S002	NTSC BL	000 to 015	000
S003	NTSC CNT	000 to 255	036
S004	NT CR OF	000 to 015	006
S005	NT CB OF	000 to 015	006
S006	525i BL	000 to 015	000
S007	525i CNT	000 to 255	044
S008	5i CB OF	000 to 015	000
S009	5i CR OF	000 to 015	000
S010	5i CR GN	000 to 015	006
S011	5i CB GN	000 to 015	006
S012	HD BL	000 to 063	056
S013	HD CB OF	000 to 063	055
S014	HD CR OF	000 to 063	058
S015	RT CONT	000 to 015	007
S016	RT CB OF	000 to 015	005
S017	RT CR OF	000 to 015	007
S018	RT CL GA	000 to 015	012
S019	PC CL MB	000 to 007	000
S020	PC CL LB	000 to 031	000
S021	PC CL MR	000 to 071	000
S022	PC CL LR	000 to 031	000
S023	(Not display)	000 to 255	000
S024	(Not display)	000 to 255	000
S025	(Not display)	000 to 255	000
S026	(Not display)	000 to 255	000
S027	(Not display)	000 to 255	000
S028	(Not display)	000 to 255	000
S029	(Not display)	000 to 255	000
S030	R DRIVE	000 to 255	130
S031	G DRIVE	000 to 255	133
S032	B DRIVE	000 to 255	090
S033	(Not display)	000 to 255	000
S034	(Not display)	000 to 255	000
S035	(Not display)	000 to 255	000
S036	(Not display)	000 to 255	000
S037	(Not display)	000 to 255	000
S038	(Not display)	000 to 255	000
S039	ILA COM	+00 to +01	+00

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
T001	IN LEVEL	000 to 255	255
T002	LOW SEP	000 to 255	199
T003	HIGH SEP	000 to 255	255
T004	AFC	000 to 255	000
T005	(Not display)	000 to 255	000
T006	ATT V ON	000 to 001	000
T007	ATT U ON	000 to 001	000
T008	ATT C ON	000 to 001	000
T009	(Not display)	000 to 255	000
T010	(Not display)	000 to 255	000

4.6.3 PANEL CONTOROL SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
P001	TM HOR H	00 to FF	00
P002	TM HOR L	00 to FF	00
P003	TM MIN	00 to FF	00
P004	TEMP0	000 to 255	000
P005	(Not display)	000 to 255	000
P006	(Not display)	000 to 255	000
P007	(Not display)	000 to 255	000
P008	(Not display)	000 to 255	000
P009	(Not display)	000 to 255	000
P010	(Not display)	000 to 255	000

4.6.4 DRIVE SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
D001	SLV GN	00 to 3F	15
D002	SLVH GN	00 to 3F	13
D003	SLH GN	00 to 3F	15
D004	SLV Pf	00 to 03	01
D005	SLH Pf H	00 to 01	01
D006	SLH Pf L	00 to 03	01
D007	SL EGCON	00 to 3F	08
D008	SL EGONF	00 to 01	01
D009	SL CRGON	00 to 3F	06
D010	SL CRGON	00 to 01	01
D011	SL ON OF	00 to 01	01
D012	SV GN	00 to 3F	18
D013	SVH GN	00 to 3F	1A
D014	SH GN	00 to 3F	1C
D015	SV Pf	00 to 03	00
D016	SV PfH	00 to 01	01

Item No.	Item name	Variable range	Setting value
D017	SV PfL	00 to 03	00
D018	SYL CON	00 to 3F	30
D019	SYL CONF	00 to 01	01
D020	SYH CON	00 to 3F	00
D021	SYH CONF	00 to 01	01
D022	SC CON	00 to 3F	1A
D023	SC CNONF	00 to 01	01
D024	SPM BLC	00 to 3F	0A
D025	SPM BLCO	00 to 01	01
D026	SLIM	00 to 3F	20
D027	SLIMONF	00 to 01	01
D028	SCRG	00 to 3F	24
D029	SRGONF	00 to 01	01
D030	S ONF	00 to 01	01
D031	pb GN	00 to 3F	15
D032	pb PfH	00 to 01	01
D033	pb PfL	00 to 03	00
D034	pb CRG	00 to 3F	04
D035	pb CRGON	00 to 01	01
D036	pb ONF	00 to 01	01
D037	pr GN	00 to 3F	15
D038	pr PfH	00 to 01	01
D039	pr PfL	00 to 03	00
D040	pr CRG	00 to 3F	05
D041	pr CRGON	00 to 01	01
D042	pr ONF	00 to 01	01
D043	ENH ONF	00 to 01	01
D044	(Not display)	00 to FF	00
D045	(Not display)	00 to FF	00
D046	(Not display)	00 to FF	00
D047	(Not display)	00 to FF	00
D048	(Not display)	00 to FF	00
D049	(Not display)	00 to FF	00
D050	(Not display)	00 to FF	00
D051	(Not display)	00 to FF	00
D052	(Not display)	00 to FF	00
D053	(Not display)	00 to FF	00
D054	(Not display)	00 to FF	00
D055	(Not display)	00 to FF	00
D056	(Not display)	00 to FF	00
D057	(Not display)	00 to FF	00
D058	(Not display)	00 to FF	00
D059	(Not display)	00 to FF	00
D060	(Not display)	00 to FF	00
D061	(Not display)	00 to FF	00
D062	(Not display)	00 to FF	00

Item No.	Item name	Variable range	Setting value
D063	(Not display)	00 to FF	00
D064	(Not display)	00 to FF	00
D065	(Not display)	00 to FF	00
D066	(Not display)	00 to FF	00
D067	(Not display)	00 to FF	00
D068	(Not display)	00 to FF	00
D069	(Not display)	00 to FF	00
D070	(Not display)	00 to FF	00
D071	(Not display)	00 to FF	00
D072	(Not display)	00 to FF	00
D073	(Not display)	00 to FF	00
D074	(Not display)	00 to FF	00
D075	(Not display)	00 to FF	00
D076	(Not display)	00 to FF	00
D077	(Not display)	00 to FF	00
D078	(Not display)	00 to FF	00
D079	(Not display)	00 to FF	00
D080	(Not display)	00 to FF	00
D081	(Not display)	00 to FF	00
D082	(Not display)	00 to FF	00
D083	(Not display)	00 to FF	00
D084	(Not display)	00 to FF	00
D085	(Not display)	00 to FF	00
D086	(Not display)	00 to FF	00
D087	(Not display)	00 to FF	00
D088	(Not display)	00 to FF	00
D089	(Not display)	00 to FF	00
D090	(Not display)	00 to FF	00
D091	(Not display)	00 to FF	00
D092	(Not display)	00 to FF	00
D093	(Not display)	00 to FF	00
D094	(Not display)	00 to FF	00
D095	(Not display)	00 to FF	00
D096	(Not display)	00 to FF	00
D097	(Not display)	00 to FF	00
D098	(Not display)	00 to FF	00
D099	(Not display)	00 to FF	00
D101	(Not display)	00 to FF	00
D102	(Not display)	00 to FF	00
D103	(Not display)	00 to FF	00
D104	(Not display)	00 to FF	00
D105	(Not display)	00 to FF	00
D106	(Not display)	00 to FF	00
D107	(Not display)	00 to FF	00
D108	(Not display)	00 to FF	00
D109	(Not display)	00 to FF	00

Item No.	Item name	Variable range	Setting value
D110	(Not display)	00 to FF	00
D111	(Not display)	00 to FF	00
D112	(Not display)	00 to FF	00
D113	(Not display)	00 to FF	00
D114	(Not display)	00 to FF	00
D115	(Not display)	00 to FF	00
D116	(Not display)	00 to FF	00
D117	(Not display)	00 to FF	00
D118	(Not display)	00 to FF	00
D119	(Not display)	00 to FF	00
D120	(Not display)	00 to FF	00
D121	(Not display)	00 to FF	00
D122	(Not display)	00 to FF	00
D123	(Not display)	00 to FF	00
D124	(Not display)	00 to FF	00
D125	(Not display)	00 to FF	00
D126	(Not display)	00 to FF	00
D127	(Not display)	00 to FF	00
D128	(Not display)	00 to FF	00
D129	(Not display)	00 to FF	00
D130	(Not display)	00 to FF	00
D131	(Not display)	00 to FF	00
D132	(Not display)	00 to FF	00
D133	(Not display)	00 to FF	00
D134	(Not display)	00 to FF	00
D135	(Not display)	00 to FF	00
D136	(Not display)	00 to FF	00
D137	(Not display)	00 to FF	00
D138	(Not display)	00 to FF	00
D139	(Not display)	00 to FF	00
D140	(Not display)	00 to FF	00
D141	(Not display)	00 to FF	00
D142	(Not display)	00 to FF	00
D143	(Not display)	00 to FF	00
D144	(Not display)	00 to FF	00
D145	(Not display)	00 to FF	00
D146	(Not display)	00 to FF	00
D147	(Not display)	00 to FF	00
D148	(Not display)	00 to FF	00
D149	(Not display)	00 to FF	00
D150	(Not display)	00 to FF	00
D151	(Not display)	00 to FF	00
D152	(Not display)	00 to FF	00
D153	(Not display)	00 to FF	00
D154	(Not display)	00 to FF	00
D155	(Not display)	00 to FF	00

Item No.	Item name	Variable range	Setting value
D156	(Not display)	00 to FF	00
D157	(Not display)	00 to FF	00
D158	(Not display)	00 to FF	00
D159	(Not display)	00 to FF	00
D160	(Not display)	00 to FF	00
D161	(Not display)	00 to FF	00
D162	(Not display)	00 to FF	00
D163	(Not display)	00 to FF	00
D164	(Not display)	00 to FF	00
D165	(Not display)	00 to FF	00
D166	(Not display)	00 to FF	00
D167	(Not display)	00 to FF	00
D168	(Not display)	00 to FF	00
D169	(Not display)	00 to FF	00
D170	(Not display)	00 to FF	00
D171	(Not display)	00 to FF	00
D172	(Not display)	00 to FF	00
D173	(Not display)	00 to FF	00
D174	(Not display)	00 to FF	00
D175	(Not display)	00 to FF	00
D176	(Not display)	00 to FF	00
D177	(Not display)	00 to FF	00
D178	(Not display)	00 to FF	00
D179	(Not display)	00 to FF	00
D180	(Not display)	00 to FF	00
D181	(Not display)	00 to FF	00
D182	(Not display)	00 to FF	00
D183	(Not display)	00 to FF	00
D184	(Not display)	00 to FF	00
D185	(Not display)	00 to FF	00
D186	(Not display)	00 to FF	00
D187	(Not display)	00 to FF	00

4.6.5 MAIN CPU SYETEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
Z001	(Not display)	00 to FF	00
Z002	(Not display)	00 to FF	00
Z003	(Not display)	00 to FF	00
Z004	(Not display)	00 to FF	00
Z005	(Not display)	00 to FF	00
Z006	(Not display)	00 to FF	00
Z007	(Not display)	00 to FF	00
Z008	(Not display)	00 to FF	00
Z009	(Not display)	00 to FF	00
Z010	(Not display)	00 to FF	00

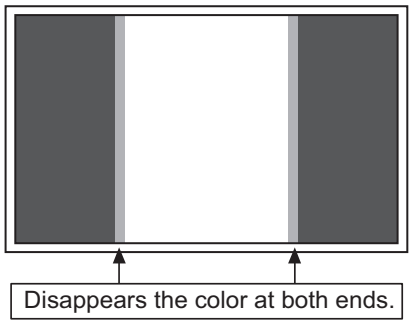
4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>525i
A-D OFFSET</td><td>Remote control unit

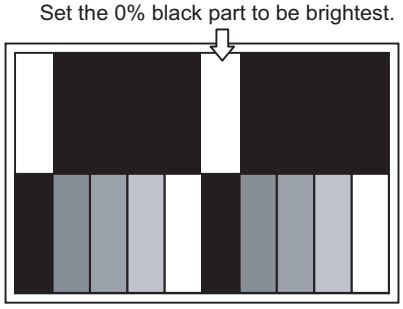
Signal generator</td><td></td><td>[1.ADJUST]
S001: PREPARE
(Adjustment setting mode change)

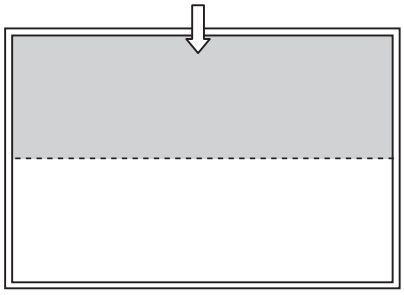
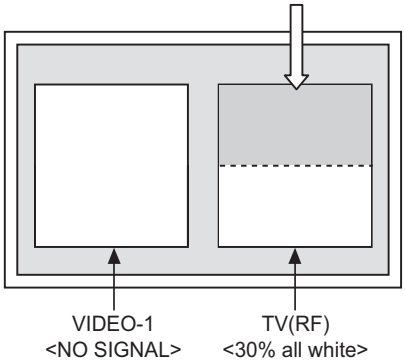
S008: 5i CB OF(525i cb offset)
S009: 5i CR OF(525i cr offset)

S030: R DRIVE(Red drive)
S031: G DRIVE(Green drive)
S032: B DRIVE(Blue drive)</td><td rowspan="2">(1) Receive a 525i component ramp pattern signal.
(2) Set “VIDEO STATUS” to STANDARD.
(3) Set “ASPECT” to FULL.
(4) St "COLOR TEMPERATURE" to LOW.
(5) Select "1.ADJUST" from the SERVICE MODE.
(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255".
(7) Set < S001 >(adjustment setting mode change) to set "008" and it change to the 525i A-D offset adjustment setting mode.
(8) Set < S008 > (525i Cb offset) and < S09 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen.
(9) Set < S001 > to set “000“ and it change to the normal mode.
(10) Press the [MUTING] key to memoirze the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>1125i
BRIGHTNESS</td><td>Remote control unit

Signal generator</td><td></td><td>[1.ADJUST]
S001: PREPARE
(Adjustment setting mode change)

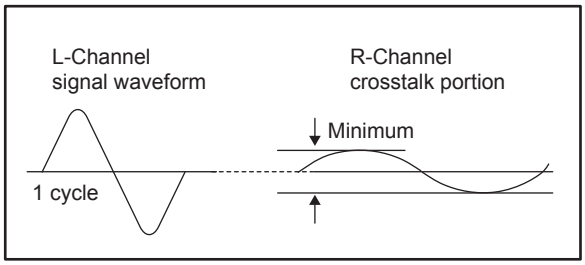
S012: HD BL(1125i brightness)

S030: R DRIVE(Red drive)
S031: G DRIVE(Green drive)
S032: B DRIVE(Blue drive)</td><td rowspan="2">(1) Receive a 1125i gray scale pattern signal .
(2) Set “VIDEO STATUS” to STANDARD.
(3) Set “ASPECT” to FULL.
(4) Set "COLOR TEMPERATURE" to LOW.
(5) Select "1.ADJUST" from the SERVICE MODE.
(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255".
(7) Set < S001 > (adjustment setting mode change) to set the values “012“ and it change to the 1125i black level adjustment setting mode.
(8) Set < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest.
(9) Set < S001 > to set “000“ and it change to the normal mode.
(10) Press the [MUTING] key to memoirze the set value.</td></tr>
<tr><td colspan="4">
  </td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
1125i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i 30% all white pattern signal. (2) Set “VIDEO STATUS” to STANDARD. (3) Set “ASPECT” to FULL. (4) Set "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255". (7) Set < S001 > (adjustment setting mode change) to set “013“ and it change to the 1125i A-D offset adjustment setting mode. (8) Set < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Set < S014 > (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set < S001 > to set “000“ and it change to the normal mode. (11) Press the [MUTING] key to memoirze the set value.
Minimize the red and blue noises in the upper half of the screen. 				
SUB SCREEN A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Set “VIDEO STATUS” to STANDARD. (2) Set “ASPECT” to FULL. (3) Set "COLOR TEMPERATURE" to LOW. (4) Set "MULTI SCREEN" to TWIN. (5) Receive a NTSC 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal). (6) Select "1.ADJUST" from the SERVICE MODE. (7) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255". (8) Set < S001 > (adjustment setting mode change) to set “017“ and it change to the sub screen A-D offset adjustment setting mode. (9) Set < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen. **If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode.** (10) Set < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen. (11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9) (12) Set < S001 > to set “000“ and it change to the normal mode. (13) Press the [MUTING] key to memoirze the set value.
Set the 0% block part to be brightest.  				

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white signal. (2) Set "VIDEO STATUS" to STANDARD. (3) Set "ASPECT" to FULL. (4) Select "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of < S030 >, < S031 >, and < S032 > to "255". (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the [MUTING] key to memoirze the set value.

4.7.2 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit Signal generator		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select "1.ADJUST" from the SERVICE MODE. (3) Verify that the < T001 > (IN LEVEL) is set at its initial setting value. (4) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUT pin of the MONITOR OUT, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the MONITOR OUT, and enlarge the voltage axis. (4) Select "1.ADJUST" from the SERVICE MODE. (5) Set the initial setting value of the < T002 > (LOW SEP). (6) Adjust the < T002 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the < T003> (HI SEP). (8) Press the [MUTING] key to memorize the set value.
				

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of TV / CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self check Display mode.

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the service mode mode.
(3) Press the [2] key (SELF_CHK) before the service mode screen disappears.
(4) Press the [SLEEP TIMER] key to enter Page 2 of the SELF CHECK MODE.
- When the [RETURN +] key pressed, the first page change screen.

NOTE:

When a number key other than the [1] to [3] key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.
This is not used in the adjustment procedure. Press the [MENU] key to return to the SERVICE MENU.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item.When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be iagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^2C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

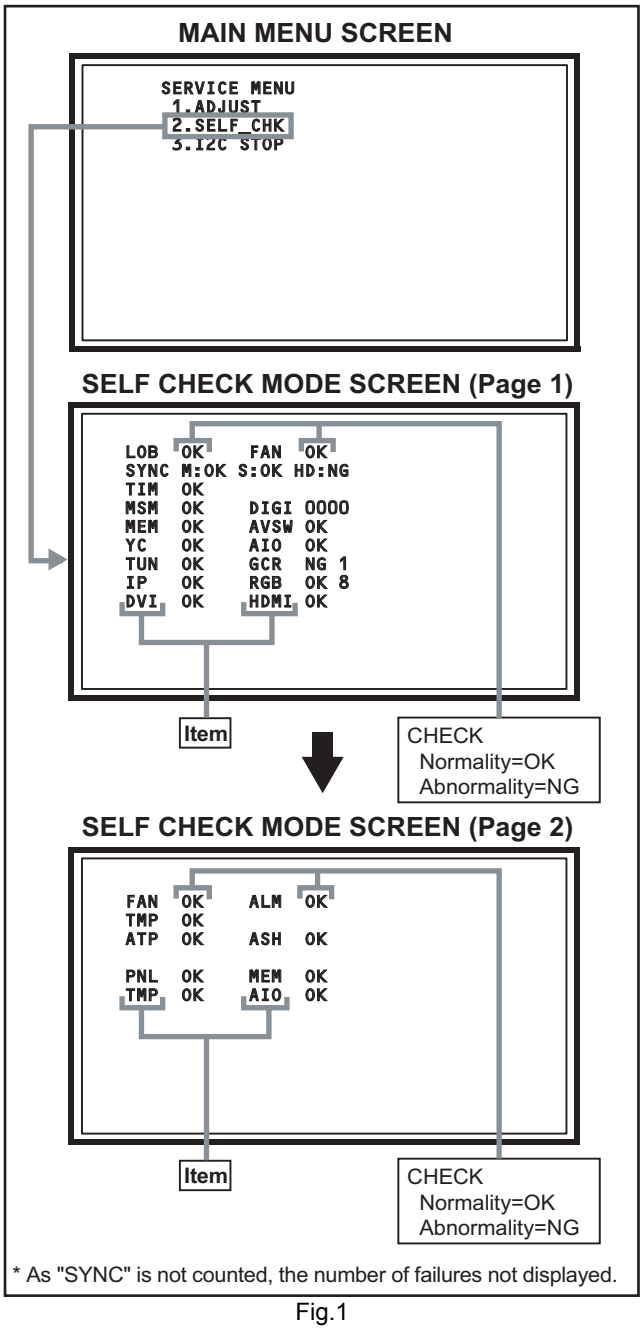


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bais (2.5V / 3.3V / 5V / 9V) protection circuit. Q9822 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Fan lock	FAN	Not used.	---	---
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Confirmation of ACK (response) signal which uses sync communications with Chassis CPU. IC7601 [DIGITAL SIGNAL PWB]	WAKE	If it checks whenever sync communication with SHM performed and no reply of ACK signal an error will be counted.
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I^2C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. IC301, IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separator	YC	Same as above. IC1001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Multi sound processor	AIO	Same as above. IC3101 [RECEIVER PWB]	SDA	Same as above.
RF tuner	TUN	Same as above. TU3001 [RECEIVER PWB]	SDA	Same as above.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I^2C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
RGB proccess	RGB	Same as above. IC3001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Same as above. IC8001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	---
Abnormal of operation of PANEL	ALM	Not used.	---	---
Abnormal rise oftemperature in PANEL	TMP	Not used.	---	---
Abnormal rise of temperature in AUDIO PWB	ATP	Not used.	---	---
Short circuit detection of AUDIO PWB	ASH	Not used.	---	---
Panel communication	PNL	Not used.	---	---
Sub memory	MEM	Not used.	---	---
Temp. sensor	TMP	Not used.	---	---
Audio control	AIO	Not used.	---	---

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

TYPE of error	Display	POWER LED flash cycle
Low bias line short protection	LOB	Low luminance blue turnig on and off at 1 second intervals.

< Explanation of operation >

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

JVC
Victor Company of Japan, Limited
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(No.YA180)

Printed in Japan
WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

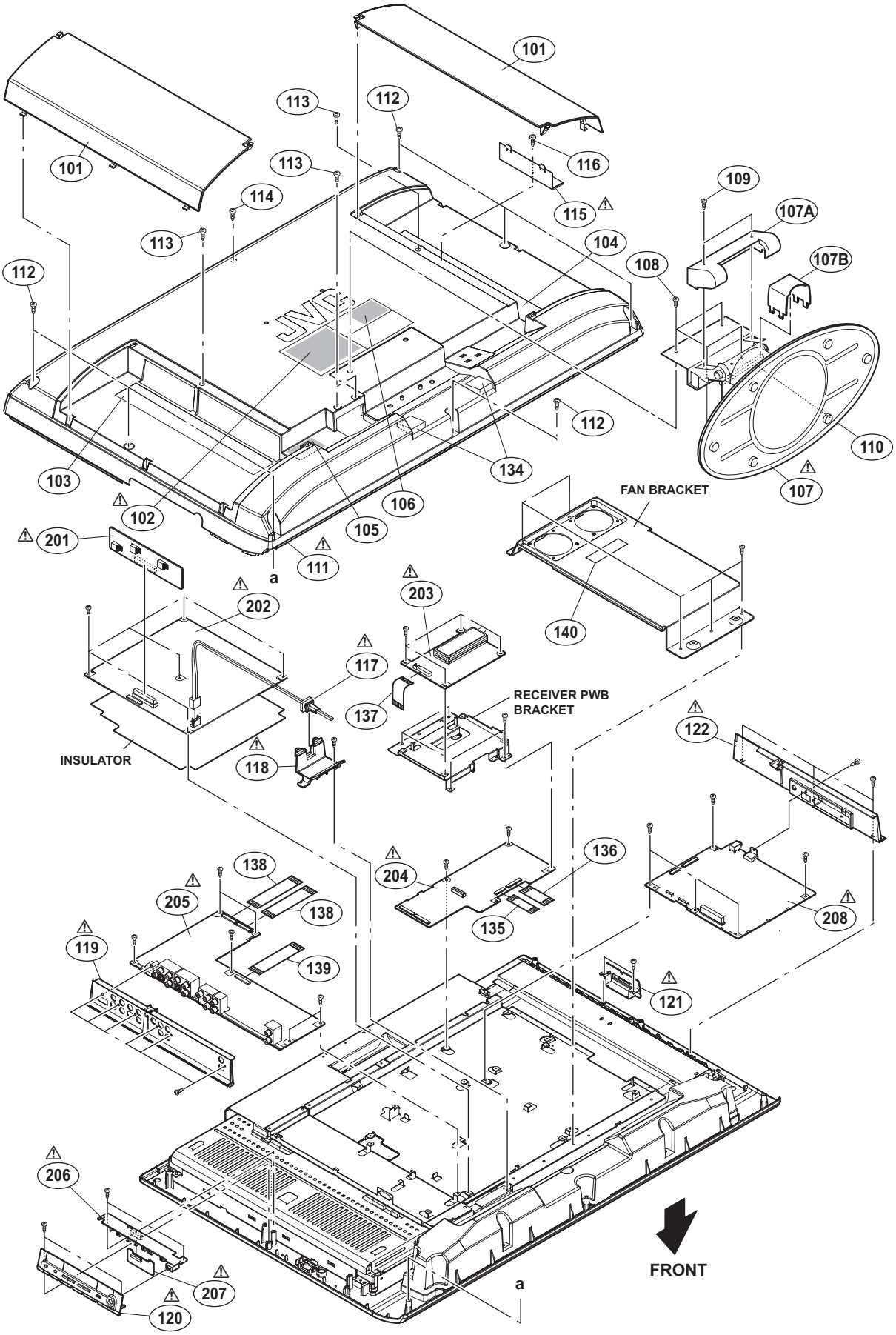
USING P.W. BOARD & REMOTE CONTROL UNIT

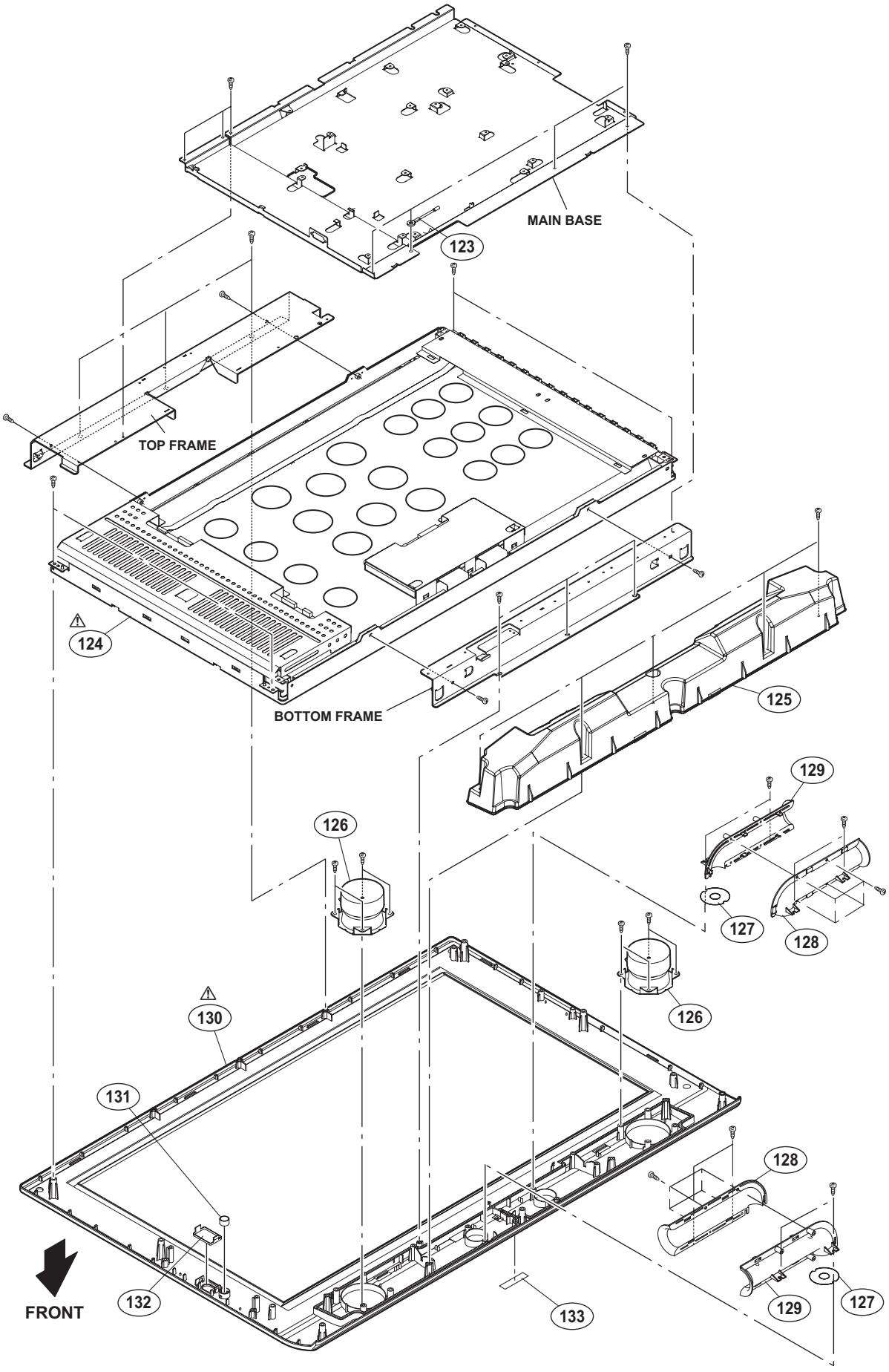
P.W.B ASS'Y name	LT-32X575/KA	LT-32X585/KA
ANALOG SIGNAL PWB	SFL-1012A-M2	←
CONNECTOR PWB	SFL-4011A-M2	←
FRONT CONTROL PWB	SFL-7011A-M2	←
FRONT SENSOR PWB	SFL-8011A-M2	←
REGULATOR PWB	SFL-9105A-M2	←
POWER PWB	SFL-9005A-M2	←
DIGITAL SIGNAL PWB	SFL0D105A-M2	SFL0D104A-M2
RECEIVER PWB	SFL0F101A-M2	←
REMOTE CONTROL UNIT	RM-C1257G-1H	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	101	LC11992-001B-0K	JACK COVER	(x2)	
⚠	102	LC32830-001A-A	RATING LABEL		
	103	LC32748-002B-H	OPERATION SHEET		
	104	LC32749-002A-H	OPERATION SHEET		
	105	LC41999-005A-A	CAUTION LABEL		
	106	LC41424-001A-A	HDCP WARNING		
⚠	107	LC41967-001C-C	STAND ASSY	Inc.107A-107B	LT-32X575/KA
⚠	107	LC41967-002A-C	STAND ASSY	Inc.107A-107B	LT-32X585/KA
	107A	128-023	STAND COVER		
	107B	128-020	CORD COVER		
	108	QYSPSPD5014M	SCREW	M5 x 14mm(x4)	
	109	QYSPSPD3016Z	SCREW	M3 x 16mm(x2)	
	110	LC42002-002B-C	STAND SHEET		LT-32X575/KA
	110	LC42002-003A	STAND SHEET		LT-32X585/KA
⚠	111	LC11991-001A-0K	REAR COVER		LT-32X575/KA
⚠	111	LC11991-002A-0K	REAR COVER		LT-32X585/KA
	112	QYSBSFG4016M	TAP SCREW	M4 x 16mm(x7)	
	113	QYSBSF3010M	TAP SCREW	M3 x 10mm(x4)	
	114	QYSPSPD3008M	SCREW	M3 x 8mm	
⚠	115	LC32760-001A-HK	SERVICE COVER		
	116	QYSBSF3010M	TAP SCREW	M3 x 10mm	
⚠	117	QMPD460-170-JC	POWER CORD(US/CA)	1.7m BLACK	
	118	LC21348-001D-HK	POWER CORD HOLDER		
⚠	119	LC21596-002B-HK	TERMINAL BASE		
⚠	120	LC32351-008A-0K	CONTROL KNOB ASSY		LT-32X575/KA
⚠	120	LC32351-009A-0K	CONTROL KNOB ASSY		LT-32X585/KA
⚠	121	LC32698-002B-HK	CARD BASE		LT-32X575/KA
⚠	121	LC32698-003B-HK	CARD BASE		LT-32X585/KA
⚠	122	LC21597-002C-HK	TUNER BASE		LT-32X575/KA
⚠	122	LC21597-002B-HK	TUNER BASE		LT-32X585/KA
	123	QUB190-12FXHM	SIN TWIST WIRE		
⚠	124	QLD0338-001	LCD PANEL UNIT		
	125	LC11633-001B-0K	SPEAKER BOX		
	126	QAS0142-001	SPEAKER	SP01/SP02(x2)	
	127	LC42001-002B-C	DUCT SHEET	(x2)	
	128	LC21339-001A-HK	DUCT BASE	(x2)	
	129	LC21340-001B-HK	DUCT COVER	(x2)	
⚠	130	LC11988-004B-0K	FRONT PANEL ASSY		LT-32X575/KA
⚠	130	LC11988-003B-0K	FRONT PANEL ASSY		LT-32X585/KA
	131	LC41901-001C-HK	LED LENS		
	132	LC32747-001C-HK	SENSOR WINDOW		
	133	CM48006-010-C	JVC MARK		LT-32X575/KA
	133	CM48006-008-C	JVC MARK		LT-32X585/KA
	134	LC32864-001A-C	STICK SHEET	(x2)	
	135	QUQ105-3004AA	FFC WIRE	30pin 4cm	
	136	QUQ105-5004AA	FFC WIRE	50pin 4cm	
	137	QUQ105-4006AL	FFC WIRE	40pin 6cm	
	138	QUQ105-5009AE	FFC WIRE	50pin 9cm	
	139	QUQ212-1906CH	FFC WIRE	19pin 6cm	
	140	LC40822-002A-A	WARNING LABEL		
⚠	201	SFL-9105A-M2	REGULATOR PWB		
⚠	202	SFL-9005A-M2	POWER PWB		
⚠	203	SFL0F101A-M2	RECEIVER PWB		
⚠	204	SFL-4011A-M2	CONNECTOR PWB		
⚠	205	SFL-1012A-M2	ANALOG SIGNAL PWB		
⚠	206	SFL-7011A-M2	FRONT CONTROL PWB		
⚠	207	SFL-8011A-M2	FRONT SENSOR PWB		
⚠	208	SFL0D105A-M2	DIGITAL SIGNAL PWB		LT-32X575/KA
⚠	208	SFL0D104A-M2	DIGITAL SIGNAL PWB		LT-32X585/KA

EXPLODED VIEW -1




MAIN BASE
123
TOP FRAME
124
BOTTOM FRAME
125
129
126
127
128
130
131
132
133
FRONT

PRINTED WIRING BOARD PARTS LIST [LT-32X575/KA]

ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1012A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC201	TA1370FG-X	IC	
IC301	AN15852A	IC	
IC501	CXA2069Q	IC	
IC711	CXA1875AM-X	IC	
IC801	TB1274AF	IC	
IC802	TC90A69AF-X	IC	
IC902	TA48M033F-X	IC	
IC903	BA09FP-X	IC	
IC6001	NJM2777M-X	IC	
IC6201	PQ20WZ11-X	IC	
IC6521	NJW1137M-W	IC	
IC6551	RC4558D-X	IC	
IC6552	RC4558D-X	IC	
IC6621	LM393DR-X	IC	
IC6661	TDA8925ST/N1	IC	
Q301	2SC3837K/NP/-X	TRANSISTOR	
Q302	2SC3837K/NP/-X	TRANSISTOR	
Q303	2SC3837K/NP/-X	TRANSISTOR	
Q307	2SA1530A/QR/-X	TRANSISTOR	
Q402	2SK1374-X	MOS FET	
Q403	2SK1374-X	MOS FET	
Q404	2SK1374-X	MOS FET	
Q405	2SK1374-X	MOS FET	
Q801	2SA1530A/QR/-X	TRANSISTOR	
Q802	2SA1530A/QR/-X	TRANSISTOR	
Q810	2SA1530A/QR/-X	TRANSISTOR	
Q851	2SA1530A/QR/-X	TRANSISTOR	
Q853	2SC3928A/QR/-X	TRANSISTOR	
Q854	2SC3928A/QR/-X	TRANSISTOR	
Q855	2SA1530A/QR/-X	TRANSISTOR	
Q858	2SC3928A/QR/-X	TRANSISTOR	
Q859	2SA1530A/QR/-X	TRANSISTOR	
Q862	2SC3928A/QR/-X	TRANSISTOR	
Q863	2SC3928A/QR/-X	TRANSISTOR	
Q902	2SC3074/OY/-X	TRANSISTOR	
Q2051	UN2226-X	DIGI TRANSISTOR	
Q2052	UN2226-X	DIGI TRANSISTOR	
Q2055	UN2110-X	DIGI TRANSISTOR	
Q6301	2SC3928A/QR/-X	TRANSISTOR	
Q6302	2SC3928A/QR/-X	TRANSISTOR	
Q6431	2SA1530A/QR/-X	TRANSISTOR	
Q6521	2SC3928A/QR/-X	TRANSISTOR	
Q6522	2SC3928A/QR/-X	TRANSISTOR	
Q6523	2SA1530A/QR/-X	TRANSISTOR	
Q6531	2SC3928A/QR/-X	TRANSISTOR	
Q6532	2SC3928A/QR/-X	TRANSISTOR	
Q6533	2SC3928A/QR/-X	TRANSISTOR	
Q6534	2SA1530A/QR/-X	TRANSISTOR	
Q6538	2SC3928A/QR/-X	TRANSISTOR	
Q6539	2SC3928A/QR/-X	TRANSISTOR	
Q6661	UN2112-X	DIGI TRANSISTOR	
Q6662	2SC3928A/QR/-X	TRANSISTOR	
Q6663	UN2212-X	DIGI TRANSISTOR	
Q6672	2SC3928A/QR/-X	TRANSISTOR	
Q6673	2SA1530A/QR/-X	TRANSISTOR	
D901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D903	PTZ11B-X	Z DIODE	
D904	PTZ6.8B-X	Z DIODE	
D2001	MA8100/M/-X	Z DIODE	
D2002	MA8100/M/-X	Z DIODE	
D2004	MA8100/M/-X	Z DIODE	
D2005	MA8100/M/-X	Z DIODE	
D2006	MA8100/M/-X	Z DIODE	
D2007	MA8100/M/-X	Z DIODE	
D2008	MA8100/M/-X	Z DIODE	
D2010	MA8100/M/-X	Z DIODE	
D2011	MA8100/M/-X	Z DIODE	
D2012	MA8100/M/-X	Z DIODE	
D2013	MA8100/M/-X	Z DIODE	
D2014	MA8100/M/-X	Z DIODE	
D2015	MA8100/M/-X	Z DIODE	
D2016	MA8100/M/-X	Z DIODE	
D2017	MA8100/M/-X	Z DIODE	
D2053	MA8100/M/-X	Z DIODE	
D2054	MA8100/M/-X	Z DIODE	
D2205	MA8100/M/-X	Z DIODE	
D2206	MA8100/M/-X	Z DIODE	
D2207	MA8100/M/-X	Z DIODE	

⚠Ref No.	Part No.	Part Name	Description Local
D6001	MA111-X	SI DIODE	
D6002	MA111-X	SI DIODE	
D6201	MA111-X	SI DIODE	
D6431	MA111-X	SI DIODE	
D6432	MA111-X	SI DIODE	
D6433	MA111-X	SI DIODE	
D6501	MA111-X	SI DIODE	
D6502	MA111-X	SI DIODE	
D6503	MA111-X	SI DIODE	
D6504	MA111-X	SI DIODE	
D6601	MA8062/M/-X	Z DIODE	
D6663	MA8033-X	Z DIODE	
D6664	MA111-X	SI DIODE	
D6671	MA8200-X	Z DIODE	
D6672	MA8200-X	Z DIODE	
D6673	MA8200-X	Z DIODE	
D6674	MA8200-X	Z DIODE	
D6681	MA111-X	SI DIODE	
D6682	MA111-X	SI DIODE	
D6683	MA111-X	SI DIODE	
DB201	MA8033-X	Z DIODE	
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C202	NEH71HM-225X	E CAPACITOR	2.2uF 50V M
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C204	NEZ0022-157X	E CAPACITOR	150uF 10V M
C205	NEH71HM-105X	E CAPACITOR	1uF 50V M
C206	NCB11CK-474X	C CAPACITOR	0.47uF 16V K
C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C302	NEH71CM-476X	E CAPACITOR	47uF 16V M
C313	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C316	NCB11CK-105X	C CAPACITOR	1uF 16V K
C317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C318	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C321	NEH71CM-106X	E CAPACITOR	10uF 16V M
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C323	NEH71CM-476X	E CAPACITOR	47uF 16V M
C324	NCB11CK-105X	C CAPACITOR	1uF 16V K
C325	NCB11CK-105X	C CAPACITOR	1uF 16V K
C326	NCB11CK-105X	C CAPACITOR	1uF 16V K
C327	NCB11CK-105X	C CAPACITOR	1uF 16V K
C328	NCB11CK-105X	C CAPACITOR	1uF 16V K
C329	NCB11CK-105X	C CAPACITOR	1uF 16V K
C330	NCB11CK-105X	C CAPACITOR	1uF 16V K
C335	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C336	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C337	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C341	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C343	NCB11CK-105X	C CAPACITOR	1uF 16V K
C346	NCB11CK-105X	C CAPACITOR	1uF 16V K
C349	NEN51EM-106X	BP E CAPACITOR	10uF 25V M
C372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C501	NEH71CM-476X	E CAPACITOR	47uF 16V M
C502	NEH71CM-476X	E CAPACITOR	47uF 16V M
C503	NEN51EM-106X	BP E CAPACITOR	10uF 25V M
C505	NEN51EM-106X	BP E CAPACITOR	10uF 25V M
C506	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C542	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C543	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C544	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C711	NEH71CM-106X	E CAPACITOR	10uF 16V M
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C818	NEH71HM-106X	E CAPACITOR	10uF 50V M

⚠Ref No.	Part No.	Part Name	Description	Local
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C880	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C881	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C885	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C886	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C888	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C889	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C890	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C906	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C911	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C912	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C915	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2011	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2012	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2014	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2015	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2017	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2018	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2019	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2020	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2055	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2204	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2205	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2206	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2214	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C6001	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C6002	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C6003	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C6004	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C6005	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6006	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6007	QETM1AM-108	E CAPACITOR	1000uF 10V M	
C6008	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C6009	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6202	NEH71EM-336X	E CAPACITOR	33uF 25V M	
C6203	NEH71EM-336X	E CAPACITOR	33uF 25V M	
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6301	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C6302	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C6431	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C6505	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6510	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6521	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6527	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6528	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6534	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6535	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6536	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6537	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6538	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6540	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6541	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6542	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C6543	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C6544	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6552	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6553	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6554	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6555	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6556	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6557	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C6559	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C6561	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C6562	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	
C6563	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6564	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6585	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C6586	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6605	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6623	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6628	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6630	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6664	QETM1HM-226	E CAPACITOR	22uF 50V M	
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6666	QETM1HM-226	E CAPACITOR	22uF 50V M	
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6668	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C6669	QFV21HJ-224	MF CAPACITOR	0.22uF 50V J	
C6670	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J	
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6672	QETM1EM-477	E CAPACITOR	470uF 25V M	
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

⚠Ref No.	Part No.	Part Name	Description Local
C6674	QETM1EM-477	E CAPACITOR	470uF 25V M
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6676	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6677	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6678	QFV21HJ-224	MF CAPACITOR	0.22uF 50V J
C6679	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6681	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6685	QETM1EM-477	E CAPACITOR	470uF 25V M
C6687	QETM1EM-477	E CAPACITOR	470uF 25V M
C6688	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6691	NEH71HM-106X	E CAPACITOR	10uF 50V M
C6692	NEH71CM-106X	E CAPACITOR	10uF 16V M
C6693	NEH71CM-476X	E CAPACITOR	47uF 16V M
R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R410	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R528	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R538	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R540	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R907	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2004	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2005	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2009	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2010	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2012	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2013	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2055	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2056	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2057	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2061	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2062	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2065	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2066	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2069	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2071	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R2207	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2208	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2209	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2210	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6006	QRL039J-330	OMF RESISTOR	33Ω 3W J
R6201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6432	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6515	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6516	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6519	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R6558	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R6560	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6578	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6580	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6624	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6666	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6667	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6668	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6669	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6675	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6681	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6682	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6683	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
RB801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L201	NQL034K-101X	CHIP P COIL	100uH K
L807	NQR0413-003X	FERRITE BEADS	
L808	NQR0413-003X	FERRITE BEADS	
L809	NQR0413-003X	FERRITE BEADS	
L851	NQL092K-6R8X	COIL	6.8uH K
L852	NQL092K-6R8X	COIL	6.8uH K
L853	NQL092K-6R8X	COIL	6.8uH K
L854	NQL092M-270X	CHIP P COIL	27uH M
L855	NQL904J-560X	COIL	56uH J
L861	NQL914K-220X	COIL	22uH K
L862	NQL914K-101X	COIL	100uH K
L863	NQL914K-101X	COIL	100uH K
L864	NQL914K-101X	COIL	100uH K
L865	NQL914K-220X	COIL	22uH K
L866	NQL914K-220X	COIL	22uH K
L867	NQL914K-220X	COIL	22uH K
L902	NQL52EM-220X	COIL	22uH M
L903	NQL52EM-220X	COIL	22uH M
L904	NQL52EM-220X	COIL	22uH M
L6661	QQL28AK-560	COIL	56uH K
L6662	QQL28AK-560	COIL	56uH K
CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)
CN0011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN0012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
J2001	QNZ0726-001	AV JACK	INPUT-1(S/V/L/R)
J2003	QNZ0726-001	AV JACK	INPUT-2(S/V/L/R)
J2004	QNN0651-001	PIN JACK	INPUT-3(V/L/R)
J2006	QNN0650-001	PIN JACK	INPUT-1(COMPONENT)
J2009	QNN0652-001	PIN JACK	DIGITAL IN AUDIO
J2011	QNN0652-001	PIN JACK	AUDIO OUT
K6601	NQR0413-002X	FERRITE BEADS	
K6602	NQR0413-002X	FERRITE BEADS	
K6661	NQR0413-002X	FERRITE BEADS	
K6662	NQR0413-002X	FERRITE BEADS	
K6663	NQR0413-002X	FERRITE BEADS	
K6664	NQR0413-002X	FERRITE BEADS	
X201	CSB503F30-T2	C RESONATOR	
X801	NAX0621-001X	CRYSTAL	16.200MHz

CONNECTOR P.W. BOARD ASS'Y (SFL-4011A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC4201	SN74AHC1G08V-X	IC	
D4201	MA8033-X	Z DIODE	
C4202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R4202	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R4203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
CN0001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN0002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
CN000T	QGF0540C1-40X	CONNECTOR	FFC/FPC (1-40)
CN1011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN1012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)

FRONT CONTROL P.W. BOARD ASS'Y (SFL-7011A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
Q7701	UN2212-X	DIGI TRANSISTOR	
Q7702	UN2212-X	DIGI TRANSISTOR	
Q7703	UN2110-X	DIGI TRANSISTOR	
Q7704	UN2110-X	DIGI TRANSISTOR	
Q7705	UN2110-X	DIGI TRANSISTOR	
D7011	MA8062/M/-X	Z DIODE	
D7702	HLMPNS30J00-T16	LED	POWER
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7713	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
CN0008	QGB2542K1-08	CONNECTOR	B-B (1-8)
J7001	QMS3004-C01	H.P.JACK	HEADPHONE
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
S7701	QSW0797-001	TACT SWITCH	CH+
S7702	QSW0797-001	TACT SWITCH	CH-
S7703	QSW0797-001	TACT SWITCH	INPUT
S7704	QSW0797-001	TACT SWITCH	MENU
S7705	QSW0797-001	TACT SWITCH	VOL+
S7706	QSW0797-001	TACT SWITCH	VOL-
S7707	QSW0797-001	TACT SWITCH	POWER

FRONT SENSOR PWB P.W. BOARD ASS'Y (SFL-8011A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC8752	GP1UM281QK	IR DETECT UNIT	38kHz
C8752	NEH71CM-476X	E CAPACITOR	47uF 16V M
R8757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8759	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
CN1008	QGB2542J1-08	CONNECTOR	B-B (1-8)

REGULATOR P.W. BOARD ASS'Y (SFL-9105A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC9801	PQ20WZ11-X	IC	
IC9802	MP1410ES-X	IC	
IC9803	MP1583DN-X	IC	
Q9802	2SD601A/QR/-X	TRANSISTOR	
Q9803	2SD601A/QR/-X	TRANSISTOR	
D9801	D1FS4-X	SB DIODE	
D9803	SD883-04-X	SB DIODE	
D9804	MA111-X	SI DIODE	
D9805	MA3030/H/-X	Z DIODE	
D9806	SD883-04-X	SB DIODE	
D9807	PTZ6.8B-X	Z DIODE	
D9808	MA111-X	SI DIODE	
D9810	PTZ6.8B-X	Z DIODE	
D9813	MA111-X	SI DIODE	

⚠Ref No.	Part No.	Part Name	Description Local
C9801	NEH91CM-476X	E CAPACITOR	47uF 16V M
C9802	NEH91CM-476X	E CAPACITOR	47uF 16V M
C9803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9805	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9809	NEH91HM-105X	E CAPACITOR	1uF 50V M
C9810	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9812	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9813	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9814	NEH90JM-107X	E CAPACITOR	100uF 6.3V M
C9818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9819	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C9821	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9822	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C9823	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9824	NCB11EK-104X	C CAPACITOR	0.1uF 25V K
C9826	NCB31HK-222X	C CAPACITOR	2200pF 50V K
R9801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9802	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
R9803	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R9804	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R9810	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9811	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9812	NRVA02D-473X	CMF RESISTOR	47kΩ 1/10W D
R9813	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9814	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R9815	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9816	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R9817	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R9818	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9819	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9820	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9821	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9822	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D
R9823	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9824	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R9825	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9826	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R9827	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R9828	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9830	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9831	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
L9804	NQL71EM-150X	COIL	15uH M
L9806	NQL71EM-150X	COIL	15uH M
L9807	NQL80CL-100X	COIL	10uH L
CN1006	QGB2501K2-13	CONNECTOR	B-B (1-13)

POWER P.W. BOARD ASS'Y (SFL-9005A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC9141	BA05FP-X	IC	
⚠IC9211	FA5500AN-W	IC	
IC9501	F9222L-F219	IC	
⚠IC9541	UTCTL431-T	IC	
IC9602	M62320FP-X	IC	
IC9901	MP1580HS-X	IC	
Q9021	UN2211-X	TRANSISTOR	
Q9151	2SA1530A/QR/-X	TRANSISTOR	
Q9152	2SD601A/QR/-X	TRANSISTOR	
Q9211	2SK3522-01-F1	POWER MOS FET	
Q9212	2SD601A/QR/-X	TRANSISTOR	
Q9213	IMD3A-W	TRANSISTOR	
Q9215	2SD601A/QR/-X	TRANSISTOR	
Q9216	UN2212-X	DIGI TRANSISTOR	
Q9251	UN2213-X	DIGI TRANSISTOR	
Q9252	UN2213-X	DIGI TRANSISTOR	
Q9501	2SD601A/QR/-X	TRANSISTOR	
Q9502	2SK2071-01S-W	POWER MOS FET	
Q9503	2SD601A/QR/-X	TRANSISTOR	
Q9504	2SK2018-01S-W	POWER MOS FET	
Q9506	UN2213-X	DIGI TRANSISTOR	
Q9541	UN2212-X	DIGI TRANSISTOR	
Q9602	2SB1188/QR/-W	TRANSISTOR	
Q9603	UN2213-X	DIGI TRANSISTOR	
Q9901	2SD601A/QR/-X	TRANSISTOR	
D9001	MA8091/L/-X	Z DIODE	
D9002	S1WB/A/60-X	BRIDGE DIODE	

⚠Ref No.	Part No.	Part Name	Description Local
D9021	MA111-X	SI DIODE	
D9111	S1WB/A/60-4101	BRIDGE DIODE	
D9151	MA8024-X	Z DIODE	
⚠D9201	D25XB60	BRIDGE DIODE	
D9202	MA111-X	SI DIODE	
D9211	YG972S6R	SI DIODE	
D9213	MA111-X	SI DIODE	
D9214	MA111-X	SI DIODE	
D9215	D1FL20U-X	SI DIODE	
D9251	MA3100/M/-X	Z DIODE	
D9252	MA111-X	SI DIODE	
D9253	MA111-X	SI DIODE	
D9254	D1FL20U-X	SI DIODE	
D9501	MA8220/M/-X	Z DIODE	
D9502	MA8110/H/-X	Z DIODE	
D9503	D1FL20U-X	SI DIODE	
D9504	D1FL20U-X	SI DIODE	
D9505	MA8220/M/-X	Z DIODE	
D9507	D1FL20U-X	SI DIODE	
D9508	MA8056/M/-X	Z DIODE	
D9509	SD883-04-X	SB DIODE	
D9510	RD27E/B2/-T5	Z DIODE	
D9511	RD27E/B2/-T5	Z DIODE	
D9512	D1FS4-X	SB DIODE	
D9541	FMB-2306	SB DIODE	
D9542	FMB-2306	SB DIODE	
D9543	FMB-2306	SB DIODE	
D9544	FMX-22S	SI DIODE	
D9545	FMX-22S	SI DIODE	
D9546	FMB-2306	SB DIODE	
D9901	EC30HA03L-X	SB DIODE	
D9902	MA111-X	SI DIODE	
D9905	D1FL20U-X	SI DIODE	
D9906	PTZ11B-X	Z DIODE	
D9907	RD16E/B/-T5	Z DIODE	
D9908	RD16E/B/-T5	Z DIODE	
D9909	D1FL20U-X	SI DIODE	
D9910	MA111-X	SI DIODE	
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K
⚠C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K
⚠C9011	QCZ9079-471	C CAPACITOR	470pF AC250V K
⚠C9013	QCZ9079-471	C CAPACITOR	470pF AC250V K
⚠C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M
⚠C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M
⚠C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C9151	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
⚠C9197	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C9198	QCZ9079-471	C CAPACITOR	470pF AC250V K
⚠C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9205	QCZ9078-222	C CAPACITOR	2200pF AC250V M
C9211	QFZ0222-105	MPP CAPACITOR	1uF 450V K
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9213	NCB11CK-105X	C CAPACITOR	1uF 16V K
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9216	QEZ0650-227	E CAPACITOR	220uF 450V M
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9219	QCZ0340-331	C CAPACITOR	330pF 2kV K
C9221	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9251	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9502	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9504	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C9505	NCB11EK-474X	C CAPACITOR	0.47uF 25V K
C9506	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C9507	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C9508	NCB11AK-335X	C CAPACITOR	3.3uF 10V K
C9509	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
C9510	QEHR2AM-107Z	E CAPACITOR	100uF 100V M
C9511	QFZ0209-473	MPP CAPACITOR	0.047uF 1000V H
C9541	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9544	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9545	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9546	QECR1EM-687Z	E CAPACITOR	680uF 25V M
C9547	QECR1EM-687Z	E CAPACITOR	680uF 25V M
C9550	QEHR1EM-228Z	E CAPACITOR	2200uF 25V M
C9551	NCB11EK-474X	C CAPACITOR	0.47uF 25V K
C9552	NCB31HK-223X	C CAPACITOR	0.022uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C9606	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9610	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C9611	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C9902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9903	QECR1CM-477Z	E CAPACITOR	470uF 16V M
C9904	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9906	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9907	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
C9908	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
C9909	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9912	QEHR1CM-477Z	E CAPACITOR	470uF 16V M
C9913	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9914	QTNC1HM-106Z	E CAPACITOR	10uF 50V M
C9915	NCB11EK-104X	C CAPACITOR	0.1uF 25V K
C9917	NCB31HK-222X	C CAPACITOR	2200pF 50V K
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
R9003	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
R9004	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
R9005	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K
R9141	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R9142	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J
R9148	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R9151	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9152	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R9154	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R9155	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9156	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
⚠R9199	QRZ0107-685Z	C RESISTOR	6.8MΩ 1/2W K
R9202	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J
R9203	QRG01GJ-561	OMF RESISTOR	560Ω 1W J
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9218	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
R9220	QRM059J-R27	MP RESISTOR	0.27Ω 5W J
R9221	QRM059J-R15	MP RESISTOR	0.15Ω 5W J
R9222	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9223	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9224	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9229	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R9233	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9238	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
R9239	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J
R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9257	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R9501	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
R9502	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
R9503	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9504	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9505	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9508	QRT029J-R56	MF RESISTOR	0.56Ω 2W J
R9509	QRM059J-R39	MP RESISTOR	0.39Ω 5W J
R9510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9513	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9515	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
⚠R9516	QRZ9009-2R2	FUSI RESISTOR	2.2Ω 1/2W J
R9517	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J
R9518	QRK126J-271X	UNF C RESISTOR	270Ω 1/2W J
R9519	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J
R9520	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
R9521	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9525	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R9526	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R9529	QRL039J-821	OMF RESISTOR	820Ω 3W J	
R9541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9542	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9544	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9545	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D	
R9546	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9548	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9549	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9551	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J	
R9552	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J	
R9615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9628	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9629	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9635	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9902	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9903	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9904	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D	
R9905	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R9906	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9910	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9911	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9916	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9141	NQL52EN-4R7X	COIL	4.7uH N	
L9201	QQR1468-001	CHOKE COIL		
L9202	QQR1513-001	CHOKE COIL		
L9541	NQL71EM-150X	COIL	15uH M	
L9902	NQL80CL-100X	COIL	10uH L	
L9903	NQL80CL-100X	COIL	10uH L	
L9904	NQL63EM-470X	COIL	47uH M	
⚠T9121	QAL0425-001	POWER TRANSF		
⚠T9501	QQS0286-001	SW TRANSF		
⚠T9502	QQS0286-001	SW TRANSF		
CN0006	QGB2501J1-13	CONNECTOR	B-B (1-13)	
CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)	
CN00E1	CE41507-001P	LV CONNECTOR		
⚠CP9121	QMFZ052-2R0-E	FUSE	2A AC250V	
⚠CP9211	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
⚠F9001	QMF51D2-6R3-J1	FUSE	6.3A AC250V	
⚠H9211	LC32819-001A	HEAT SINK/AL-F/		
H9501	LC32819-001A	HEAT SINK/AL-F/		
H9541	LC32802-001A	HEAT SINK/AL-F/		
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9211	QQR0621-002Z	FERRITE BEADS		
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	NQR0413-002X	FERRITE BEADS		
K9502	NQR0413-002X	FERRITE BEADS		
K9503	NQR0413-002X	FERRITE BEADS		
K9504	NQR0413-002X	FERRITE BEADS		
K9505	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9541	NQR0413-003X	FERRITE BEADS		
⚠LF9001	QQR1514-001	LINE FILTER		
⚠LF9002	QQR1467-001	LINE FILTER		
⚠LF9003	QQR1514-001	LINE FILTER		
⚠PC9001	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9541	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9542	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY9021	QSK0119-001	RELAY		
⚠RY9201	QSK0117-001	RELAY		
⚠VA9001	QAF0060-621	VARISTOR	620V	

DIGITAL SIGNAL P.W. BOARD ASS'Y (SFL0D105A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC		
IC1002	MM1572FN-X	IC		
IC1502	NJM2235V-X	IC		
IC3001	JCC5055	IC		
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3403	S-80928CLNB-W	IC		
IC3501	K4D263238F-UC50	IC		
IC3502	K4D263238F-UC50	IC		
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC		
IC4003	AT29LV01-32X585	IC		(SERVICE)
IC4004	AT24C25632X585D	IC		(SERVICE)
IC4005	SN74LVC1G08V-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KPC	IC(MCU)		
IC7002	AT24C256-32X585	IC		(SERVICE)
IC7401	S-80828CLNB-W	IC		
IC7601	M306V7MG-090FP	IC(MCU)		
IC7602	AT24C16-32X585	IC		(SERVICE)
IC7603	SN74LVC1G04V-X	IC		
IC7607	MM1510XN-X	IC		
IC7608	MM1510XN-X	IC		
IC9001	MP1580HS-X	IC		
IC9101	MP1580HS-X	IC		
IC9201	MP1580HS-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SA1530A/QR/-X	TRANSISTOR		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q4001	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q7206	UN2213-X	DIGI TRANSISTOR		
Q7207	DTA144EKA-X	DIGI TRANSISTOR		
D1001	EC30HA03L-X	SB DIODE		
D1002	EC30HA03L-X	SB DIODE		
D7001	MA111-X	SI DIODE		
D7003	MA111-X	SI DIODE		
D7005	MA8082/M/-X	Z DIODE		
D7006	MA8082/M/-X	Z DIODE		
D7007	MA8082/M/-X	Z DIODE		
D7008	MA8082/M/-X	Z DIODE		
D7009	MA8082/M/-X	Z DIODE		
D7010	MA111-X	SI DIODE		
D7203	MA111-X	SI DIODE		
D7210	RB501V-40-X	SB DIODE		
D7601	MA111-X	SI DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9101	EC30HA03L-X	SB DIODE		
D9102	EC30HA03L-X	SB DIODE		
D9103	PTZ3.9B-X	Z DIODE		
D9104	MA111-X	SI DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		

⚠Ref No.	Part No.	Part Name	Description Local
D9204	MA111-X	SI DIODE	
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C4031	NCB11AK-106X	C CAPACITOR	10uF 10V K
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4911	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7012	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7203	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K
C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K
C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K
C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9012	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R0138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1010	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6529	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6542	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6543	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6544	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6545	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6551	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6552	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7025	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7058	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R7061	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7614	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9109	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0101	NQL092K-2R2X	COIL	2.2uH K
L0201	NQL092K-2R2X	COIL	2.2uH K
L0301	NQL092K-2R2X	COIL	2.2uH K
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1001	NQR0489-002X	FERRITE BEADS	
L1002	NQR0489-002X	FERRITE BEADS	
L1003	NQL092K-1R5X	CHIP P COIL	1.5uH K
L1004	NQR0489-002X	FERRITE BEADS	
L1005	NQR0489-002X	FERRITE BEADS	
L1006	NQR0489-002X	FERRITE BEADS	
L1008	NQL79GM-220X	COIL	22uH M
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1011	NQL79GM-470X	COIL	47uH M
L1101	NQL092K-6R8X	COIL	6.8uH K
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1103	NQL092K-1R0X	COIL	1uH K
L1201	NQL092K-6R8X	COIL	6.8uH K
L1203	NQL092K-1R0X	COIL	1uH K
L1301	NQL092K-6R8X	COIL	6.8uH K
L1303	NQL092K-1R0X	COIL	1uH K
L1401	NQL092K-6R8X	COIL	6.8uH K
L1403	NQL092K-1R0X	COIL	1uH K
L1501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3001	NQR0489-002X	FERRITE BEADS	
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3501	NQR0413-003X	FERRITE BEADS	
L4001	NQR0413-003X	FERRITE BEADS	
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6501	NQR0351-001X	FERRITE BEADS	
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L9001	NQL71EM-150X	COIL	15uH M
L9101	NQL71EM-150X	COIL	15uH M
L9201	NQL71EM-150X	COIL	15uH M
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
J001	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J

⚠Ref No.	Part No.	Part Name	Description	Local
K1004	NQR0489-002X	FERRITE BEADS		
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
LC0524	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC0525	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC6501	NQR0479-001X	EMI FILTER		
LC7001	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC7002	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC7003	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
SL7001	NAX0613-001X	C RESONATOR		
X1001	NAX0642-001X	CRYSTAL		
X3001	NAX0635-001X	CXO		
X3003	NAX0668-001X	CXO		
X4001	NAX0669-001X	C RESONATOR		
X7601	NAX0613-001X	C RESONATOR		

RECEIVER P.W. BOARD ASS'Y (SFL0F101A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3101	CXA2205Q-X	IC		
IC3102	RC4558D-X	IC		
IC3106	TPS852-W	PHOTO CONDUCTOR		
Q3001	2SA1530A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
C3001	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3002	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C3003	NEX60JM-227X	E CAPACITOR	220uF 6.3V M	
C3101	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3102	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3104	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3105	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3111	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3114	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3117	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3118	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3120	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3121	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3122	NEH71HM-335X	E CAPACITOR	3.3uF 50V M	
C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3126	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C3129	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3130	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3131	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3132	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3133	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3134	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3135	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3150	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3155	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3156	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3161	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3162	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3113	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3114	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3133	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3191	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J	
⚠TU3001	QAU0377-002	TUNER		

PRINTED WIRING BOARD PARTS LIST [LT-32X585/KA]

ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1012A-M2)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

CONNECTOR P.W. BOARD ASS'Y (SFL-4011A-M2)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SFL-7011A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT SENSOR PWB P.W. BOARD ASS'Y (SFL-8011A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

REGULATOR P.W. BOARD ASS'Y (SFL-9105A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SFL-9005A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

DIGITAL SIGNAL P.W. BOARD ASS'Y (SFL0D104A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
	SFL0D104A-M2	DIGITAL BOARD ASSY		
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC		
IC1002	MM1572FN-X	IC		
IC1502	NJM2235V-X	IC		
IC3001	JCC5055	IC		
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3403	S-80928CLNB-W	IC		
IC3501	K4D263238F-UC50	IC		
IC3502	K4D263238F-UC50	IC		
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC		
IC4003	AT29LV01-32X585	IC	(SERVICE)	
IC4004	AT24C25632X585D	IC	(SERVICE)	
IC4005	SN74LVC1G08V-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KPC	IC(MCU)		
IC7002	AT24C256-32X585	IC	(SERVICE)	
IC7401	S-80828CLNB-W	IC		
IC7601	M306V7MG-090FP	IC(MCU)		
IC7602	AT24C16-32X585	IC	(SERVICE)	
IC7603	SN74LVC1G04V-X	IC		
IC7607	MM1510XN-X	IC		
IC7608	MM1510XN-X	IC		
IC9001	MP1580HS-X	IC		
IC9101	MP1580HS-X	IC		
IC9201	MP1580HS-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SA1530A/QR/-X	TRANSISTOR		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q4001	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q7206	UN2213-X	DIGI TRANSISTOR		
Q7207	DTA144EKA-X	DIGI TRANSISTOR		
D1001	EC30HA03L-X	SB DIODE		
D1002	EC30HA03L-X	SB DIODE		
D7001	MA111-X	SI DIODE		
D7003	MA111-X	SI DIODE		
D7005	MA8082/M/-X	Z DIODE		
D7006	MA8082/M/-X	Z DIODE		
D7007	MA8082/M/-X	Z DIODE		
D7008	MA8082/M/-X	Z DIODE		
D7009	MA8082/M/-X	Z DIODE		
D7010	MA111-X	SI DIODE		
D7203	MA111-X	SI DIODE		
D7210	RB501V-40-X	SB DIODE		
D7601	MA111-X	SI DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9101	EC30HA03L-X	SB DIODE		
D9102	EC30HA03L-X	SB DIODE		
D9103	PTZ3.9B-X	Z DIODE		
D9104	MA111-X	SI DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	MA111-X	SI DIODE		
C0103	NDC31HJ-330X	C CAPACITOR		33pF 50V J
C0105	NDC31HJ-270X	C CAPACITOR		27pF 50V J
C0107	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0109	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0110	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0111	NDC31HJ-820X	C CAPACITOR		82pF 50V J
C0112	NDC31HJ-820X	C CAPACITOR		82pF 50V J
C0113	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0114	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0115	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0116	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0117	NDC31HJ-560X	C CAPACITOR		56pF 50V J
C0203	NDC31HJ-330X	C CAPACITOR		33pF 50V J
C0205	NDC31HJ-270X	C CAPACITOR		27pF 50V J
C0207	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0209	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0210	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0211	NDC31HJ-820X	C CAPACITOR		82pF 50V J
C0212	NDC31HJ-820X	C CAPACITOR		82pF 50V J
C0213	NCB11AK-106X	C CAPACITOR		10uF 10V K
C0214	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0215	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0217	NDC31HJ-560X	C CAPACITOR		56pF 50V J
C0303	NDC31HJ-330X	C CAPACITOR		33pF 50V J
C0305	NDC31HJ-270X	C CAPACITOR		27pF 50V J
C0307	NCF31CZ-104X	C CAPACITOR		0.1uF 16V Z
C0309	NCB11AK-106X	C CAPACITOR		10uF 10V K

⚠Ref No.	Part No.	Part Name	Description Local
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C4031	NCB11AK-106X	C CAPACITOR	10uF 10V K

⚠Ref No.	Part No.	Part Name	Description Local
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4911	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7012	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K
C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K
C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K
C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9012	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R0138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1010	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6529	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6542	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6543	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6544	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6545	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6551	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6552	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7025	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7058	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R7061	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7614	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9109	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J
RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0101	NQL092K-2R2X	COIL	2.2uH K
L0201	NQL092K-2R2X	COIL	2.2uH K
L0301	NQL092K-2R2X	COIL	2.2uH K
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1001	NQR0489-002X	FERRITE BEADS	
L1002	NQR0489-002X	FERRITE BEADS	
L1003	NQL092K-1R5X	CHIP P COIL	1.5uH K
L1004	NQR0489-002X	FERRITE BEADS	
L1005	NQR0489-002X	FERRITE BEADS	
L1006	NQR0489-002X	FERRITE BEADS	
L1008	NQL79GM-220X	COIL	22uH M
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1011	NQL79GM-470X	COIL	47uH M
L1101	NQL092K-6R8X	COIL	6.8uH K
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1103	NQL092K-1R0X	COIL	1uH K
L1201	NQL092K-6R8X	COIL	6.8uH K
L1203	NQL092K-1R0X	COIL	1uH K
L1301	NQL092K-6R8X	COIL	6.8uH K
L1303	NQL092K-1R0X	COIL	1uH K
L1401	NQL092K-6R8X	COIL	6.8uH K
L1403	NQL092K-1R0X	COIL	1uH K
L1501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3001	NQR0489-002X	FERRITE BEADS	
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3501	NQR0413-003X	FERRITE BEADS	
L4001	NQR0413-003X	FERRITE BEADS	
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6501	NQR0351-001X	FERRITE BEADS	
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L9001	NQL71EM-150X	COIL	15uH M
L9101	NQL71EM-150X	COIL	15uH M
L9201	NQL71EM-150X	COIL	15uH M
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
J001	NNZ0117-001	HDMI CONNECTOR	
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K1004	NQR0489-002X	FERRITE BEADS	
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M
LC0524	NQR0415-005X	EMI FILTER	0.1uF 25V M
LC0525	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC6501	NQR0479-001X	EMI FILTER	
LC7001	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC7002	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
LC7003	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
SL7001	NAX0613-001X	C RESONATOR	
X1001	NAX0642-001X	CRYSTAL	
X3001	NAX0635-001X	CXO	
X3003	NAX0668-001X	CXO	
X4001	NAX0669-001X	C RESONATOR	
X7601	NAX0613-001X	C RESONATOR	

RECEIVER P.W. BOARD ASS'Y (SFL0F101A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

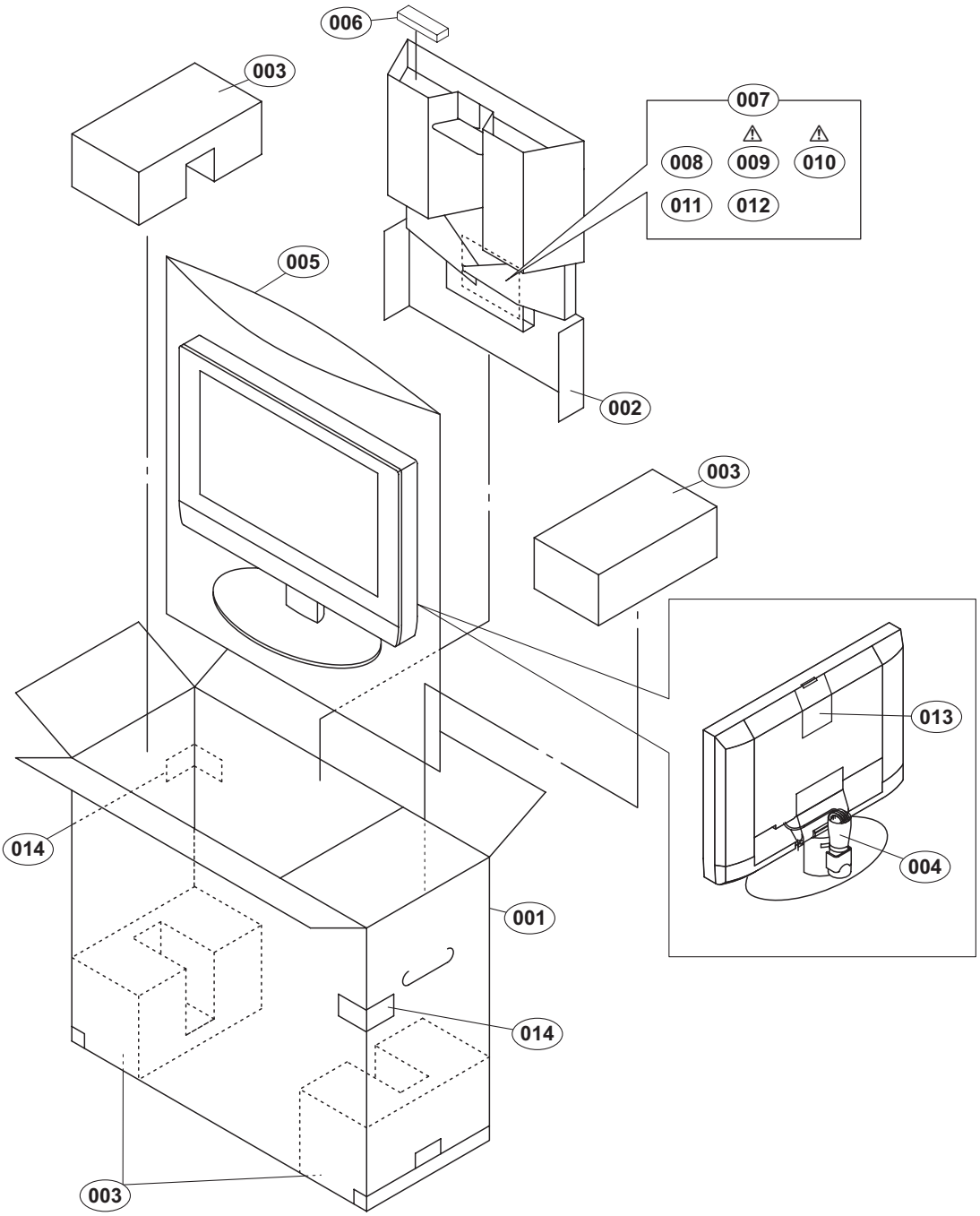
REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

⚠	Ref No.	Part No.	Part Name	Description	Local
		UR77EC0603	BATTERY COVER		

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	001	LC10181-039A-A	PACKING CASE		
	002	LC21688-005A-A	CUSHION		
	003	LC11983-003B-A	CUSHION ASSY	4pcs in 1set	
	004	QPA01002305	POLY BAG	10cm x 23cm	
	005	GG30097-004A-H	POLY BAG		
	006	RM-C1257G-1H	REMOCON		
	007	QPA02503505P	POLY BAG	25cm x 35cm	
⚠	008	LCT1691-001A-A	INST BOOK	English	
⚠	009	LCT1692-001A-A	INST BOOK	French	
	010	BT-52006-2Q	WARRANTY CARD		
	011	BT-51034-2Q	REGIST. CARD		
	012	----------	BATTERY	R6P/AA(x2)	
	013	LCT1729-001A-A	CAUTION SHEET		
	014	CM36616-001A-A	CORNER LABEL	2pcs in 1set	

PACKING


006
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JVC®

LCD Flat Television Users Guide

For Models:
LT-32X585
LT-26X585
LT-32X575
LT-26X575

Illustration of LT-32X575 and RM-C1257G

Important Note:

In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Model Number: _____

Serial Number: _____

LCT1691-001A-A
0604TNH-II-IM

Important Safety Precautions

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

* When you don’t use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.
* To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT RECYCLING INFORMATION

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of the materials may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities, or the Electronic Industries Alliance:

http://www.eiae.org

- As an “ENERGY STAR®” partner, JVC has determined that this product or product model meets the “ENERGY STAR®” guidelines for energy efficiency.

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/accessories specified by the manufacturer.

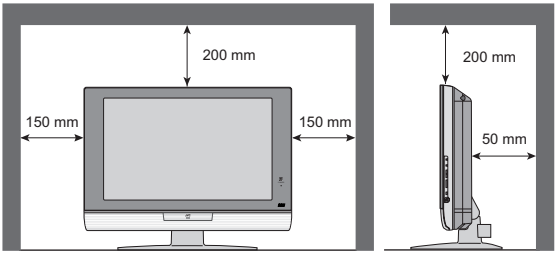
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

16) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.



17) Cautions for installation

— Do not tilt the TV towards the left or right, or towards the back.

— Install the TV in a corner on the floor so as to keep cords out of the way.

— The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

Warnings

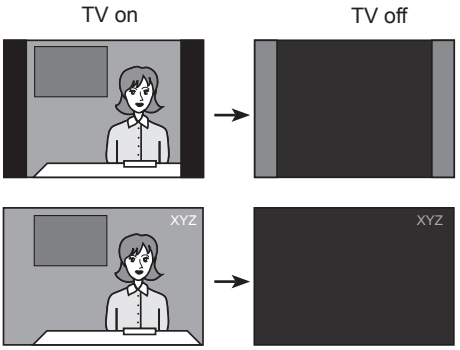
Avoiding Ghost Images

Displaying fixed images for extended periods of time can leave a subtle but temporary ghost image on your screen. To avoid this, mix your viewing pattern.

Examples include, but are not limited to the following:

- Stock-market report bars
- Shopping channel logos and pricing displays
- Video game patterns or scoreboards
- Bright station logos
- Internet web sites or other computer-style images.
- DVD discs, video tapes, laser discs
- Broadcast, cable, satellite channels or digital television tuners/converters.

For example...



Caring for the Cabinet

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, slightly moistened with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

- DO NOT allow liquid to enter the TV through the ventilation slots.
- DO NOT use strong or abrasive cleaners on the TV.
- DO NOT spray liquids or cleaners directly on the TV's surface.
- DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

Caring for the Screen

The screen is treated with an electrostatic-proof coating. When it gets dirty, wipe it gently with a soft cloth. If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner and thoroughly wrung-out. Then wipe immediately after with a clean, dry cloth.

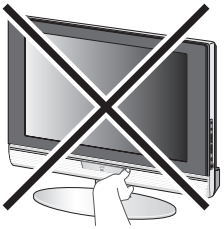
Do not apply alcohol, organic solvents (like acetone), acidic or alkaline cleansers to the screen. These will remove the coating layer and cause discolorations.

Do not push or hit the screen. This could cause scratches on the screen surface and image distortions.

Warnings (Continued...)

How to move the cabinet

Your fingers may become trapped under the TV, causing injuries. Hold the TV at the bottom in the middle, and do not allow the TV to tilt up or down.



The TV may fall causing injuries. Hold the bottom of the stand with your hand and tilt the TV up or down.

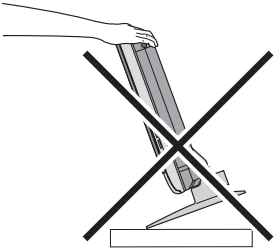
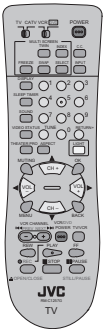


Table of Contents

Thank you for your purchase of a JVC LCD Flat Television. Before you begin setting up your new television, please check to make sure you have all of the following items. In addition to this guide, your television box should include:

1 Television

1 Remote Control



Two AA Batteries

Once you have unpacked your television, the next step is to connect it to your antenna/ cable or satellite system and to connect the audio/video devices you want to use with your television. To make these connections you will use plugs like the ones illustrated below.

Coaxial Cables

Used to connect an external antenna or cable TV system to your TV.

S-Video Cable

Used to make video connections with S-Video VCRs, Camcorders and DVD players.

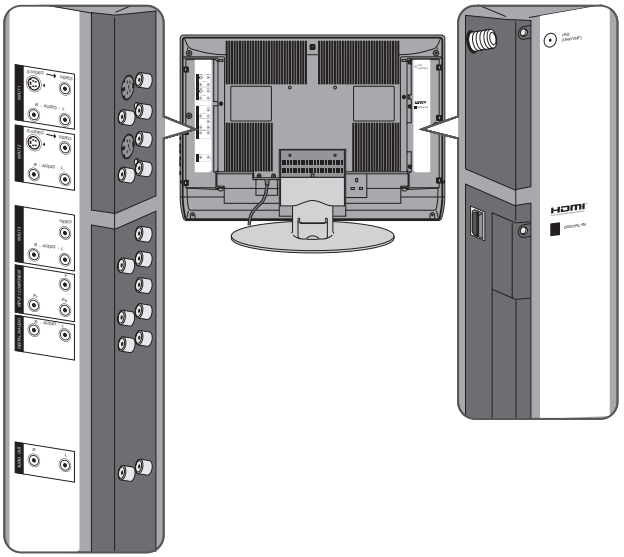
Component Cables Composite Cables Audio Cables

Used to connect audio/ video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

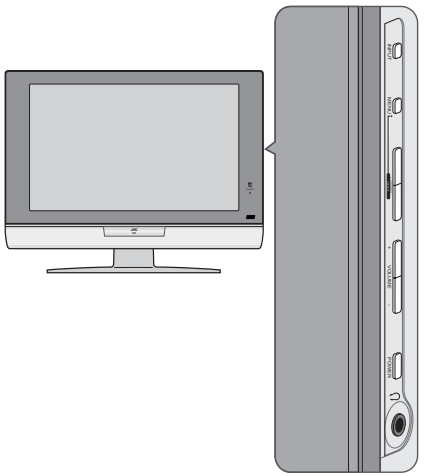
We recommend that before you start using your new television, you read your entire User's Guide so you can learn about your new television's many great features. If you're anxious to start using your television right away, a quick setup guide follows on the next few pages.

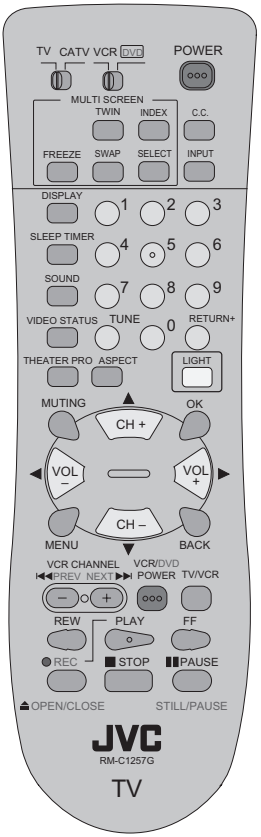
NOTE: Before you connect your television to another device, please refer to the proper diagrams for your specific TV and remote. These will help assist you in understanding how to connect your television to another device, as well as use the remote to set up your television.

Rear Panel Diagram



Side Panel Diagram





RM-C1257G

Note:

- For information on remote control buttons, see pages 52 - 60.

Getting Started

These quick setup pages will provide you, in three easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

Step 1 - Using the stand

This TV comes with a Table Top Stand already attached.

This stand can be used to adjust the direction of the TV screen 5° up, 10° down and 20° to the left or right.

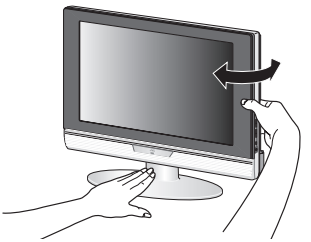
Tilt the TV up or down

While holding the bottom of the stand with one hand, use your other hand to hold the middle of the top of the TV, and slowly tilt the TV up or down.

- As a safety measure, the stand is constructed so that it requires a certain amount of force to tilt the TV.

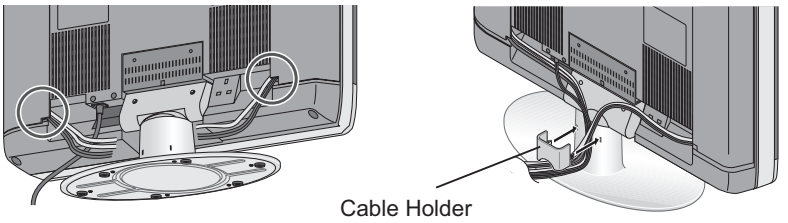
Rotate the TV left or right

While holding the bottom of the stand with one hand, use your other hand to hold the edge of the panel and slowly adjust the direction of the TV stand.



Cable Holder

A cable holder which keeps your connection cables tidy is attached on the back of the stand. Gently squeeze the left and right of the cable holder, and pull it to remove it from the stand. After putting the cables in the cable holder, attach it to the back of the stand again.

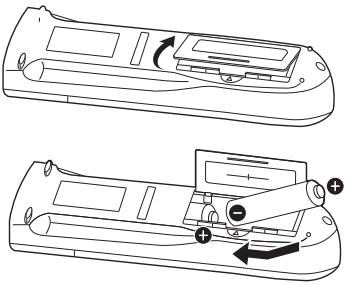


Step 2 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

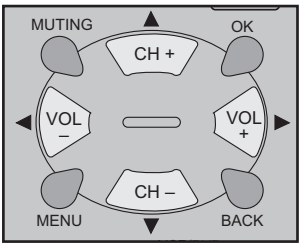
Lift and pull the latch on the back of the remote control to open. Insert two batteries (included) carefully noting the "+" and "–" markings, placing the "–" end in the unit first. Snap the cover back into place.

When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 24 - 27.



Key Feature Buttons

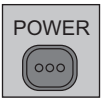
The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC's **Hyperscan** feature, press and hold CH+ or CH–. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC's onscreen menu system. To use the onscreen menus, press the MENU button.

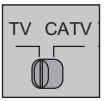


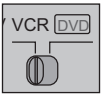
Basic Operation

Turn the television on and off by pressing the POWER button at the top right corner of the remote. If this is the first time you are turning on the TV, the interactive plug-in menu appears.

- Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box.
- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 24 to 27 for instructions on programming your remote control to operate a cable box, VCR or DVD player.

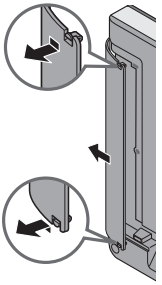






Step 3 - Connecting your devices

Remove the terminal cover



There are connection terminals behind the covers on the left and right in the back of the TV. Remove these two covers before connecting an antenna or other devices. The covers can be removed by removing the hooks. When replacing the covers, place the side of the covers against the TV and insert the hooks.

Note:

- Leave the terminal covers off if they do not fit properly. Do not force to replace the covers. Doing so may damage the connection cables and covers.

Connections

Please follow the flow chart below to determine which connection setup is right for you. Then, refer to the appropriate diagrams to connect your television to other devices that you may have. After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.

A VCR is not necessary for operation of the television. If you follow these diagrams and the television does not work properly, contact your local cable operator.

- To connect a DVD player, see **Diagram #3**. A DVD player is optional.
- If you have a satellite television system, please refer to the satellite TV manual.

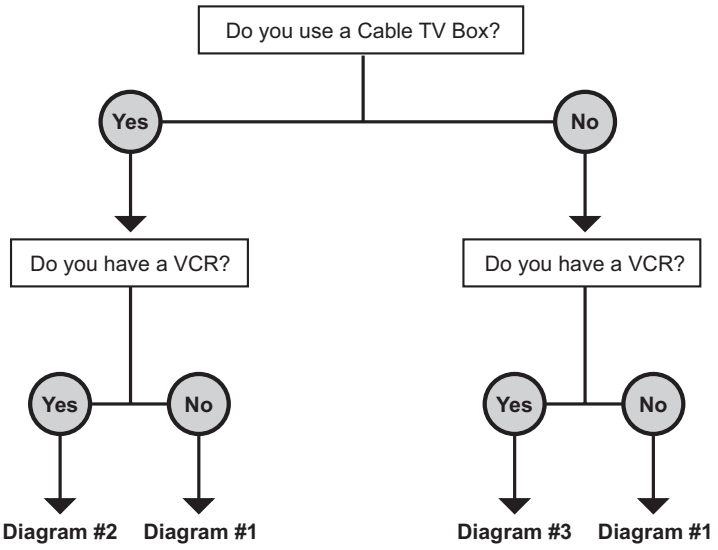
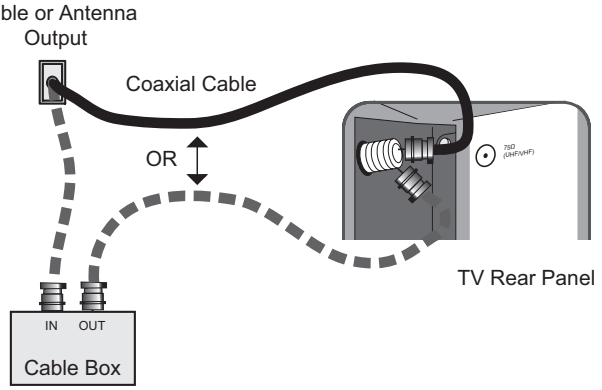


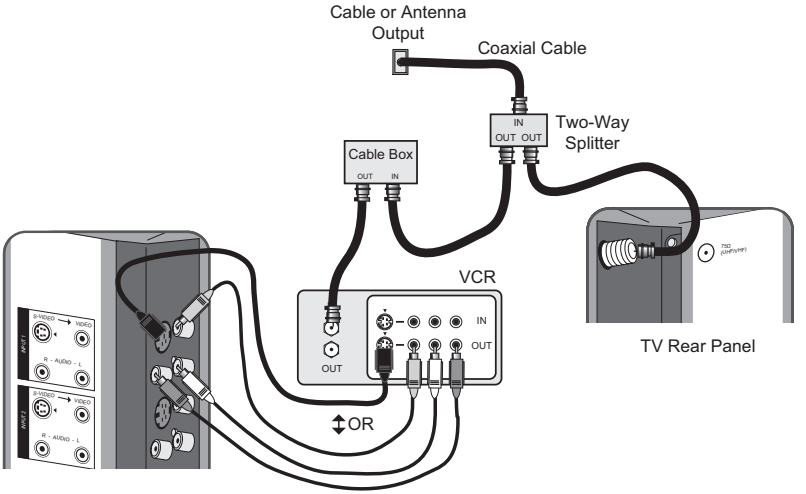
Diagram #1



Note:

- If you do not have a cable box, connect the cable wire from the wall outlet into the back of the TV.

Diagram #2



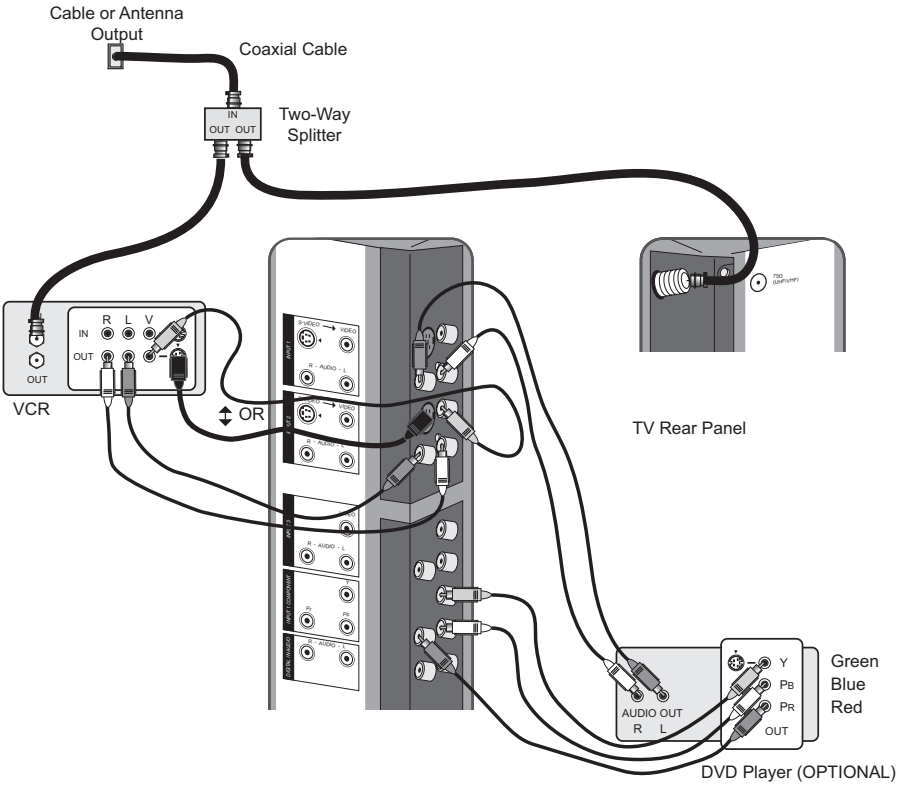
Notes:

- If your VCR is a mono sound unit, it will have only one audio out jack. Connect it to the LEFT AUDIO INPUT on the rear of the TV.
- Use the S-Video connection if possible for superior picture quality.
- Your VCR must be turned on to view premium cable channels.

Notes:

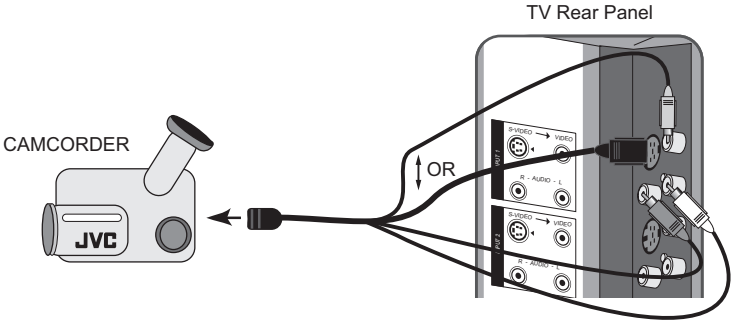
- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.
- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.
- You may also connect the DVD player to Input 1.

Diagram #3



Connecting to a Camcorder

You can connect a camcorder to you televison by using the input jacks located on the back of the television.



1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the back of the TV, **OR** connect an S-Video cable from the camcorder to the back of the TV.
2) Connect a white cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the back of the TV.
3) Connect a red cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the back of the TV.

Note:

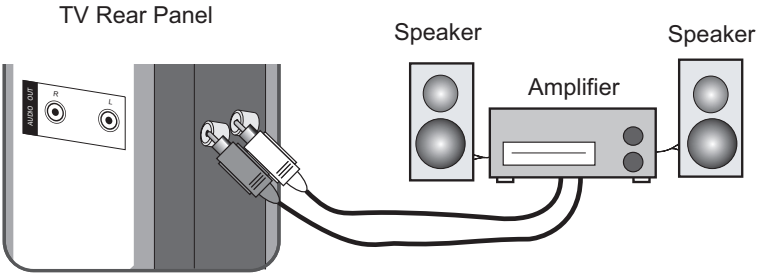
- If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN on the back of the TV.

Headphone Connection

You can connect a pair of headphones to the television using the headphone jack located on the side of the television.

1) Plug a headphone jack into the headphone jack on the television's side panel.

Connecting to an External Amplifier



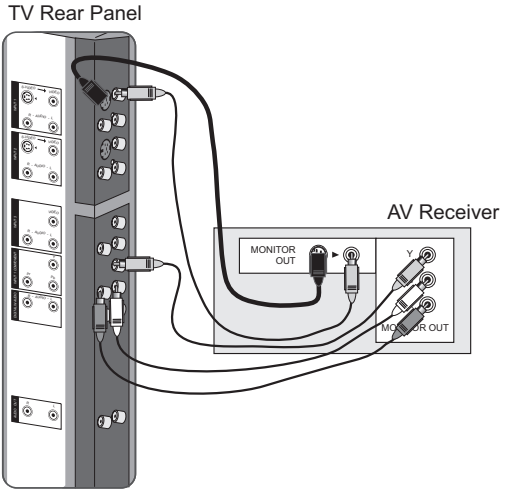
1) Connect a white cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.
2) Connect a red cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

- Refer to your amplifier's manual for more information.
- You can use AUDIO OUTPUT for your home theater system.
- DVI analog sound can not be outputted.

Connecting to an AV Receiver using your television's V1 Smart Input

By connecting your AV Receiver to your television's V1 Smart Input, you can watch picture sources from many different devices, without having to change or use the other input connections on your TV. This allows you to free up the other input connections so you can connect more devices to your television.



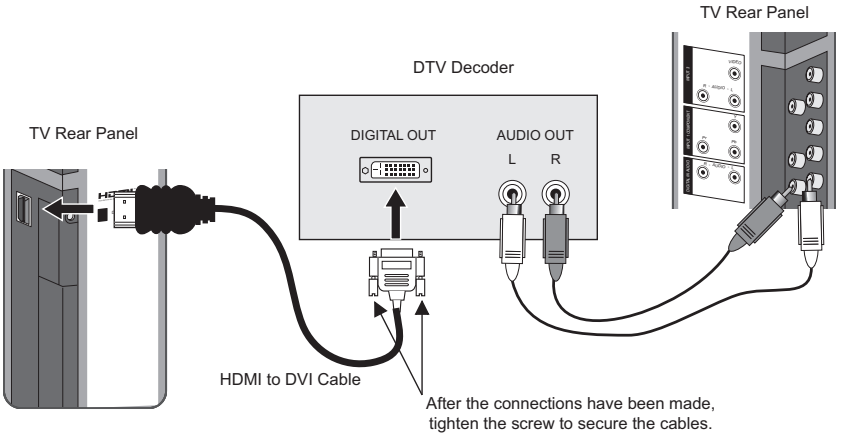
1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your television.
2) Connect a Yellow Composite Cable from the AV Receiver's MONITOR OUT, into the VIDEO INPUT-1 on the back of your television.
3) Connect a Green Component Cable from the AV Receiver's Y MONITOR OUT, into the Y VIDEO INPUT-1 on the back of your television.
4) Connect a Blue Component Cable from the AV Receiver's P_B MONITOR OUT, into the Pb VIDEO INPUT-1 on the back of your television.
5) Connect a Red Component Cable from the AV Receiver's P_R MONITOR OUT, into the Pr VIDEO INPUT-1 on the back of your television.

Notes:

- Please refer to your AV Receiver instruction manual for more information on connecting your speakers and other devices like a DVD player.
- Use your AV Receiver's remote to switch to the different devices you have connected.
- Some AV Receivers may not respond when the V1 Smart Input function is turned on.
- If you have video connections for each input device connected to your AV Receiver, you should not connect them using both S-Video and Composite connection at the same time when you are using V1 Input as the V1 Smart Input. In this case we recommend using the S-Video connection.

Connecting to a Digital TV Receiver

By connecting a Digital TV Receiver, high definition pictures can be displayed on your TV in their digital form.



1) Connect the HDMI to DVI Cable from the DIGITAL OUT on the back of your DTV decoder, to the DIGITAL-IN on the back of your television.
2) Connect a red cable from the DTV decoder RIGHT AUDIO OUT, to the RIGHT AUDIO DIGITAL-IN on the back of your television.
3) Connect a white cable from the DTV decoder LEFT AUDIO OUT, to the LEFT AUDIO DIGITAL-IN on the back of your television.

- The digital-in terminal is not compatible with the picture signal of a personal computer.
- Use a HDMI to DVI cable (commercially available) in order to digitally connect the television with a DTV decoder.

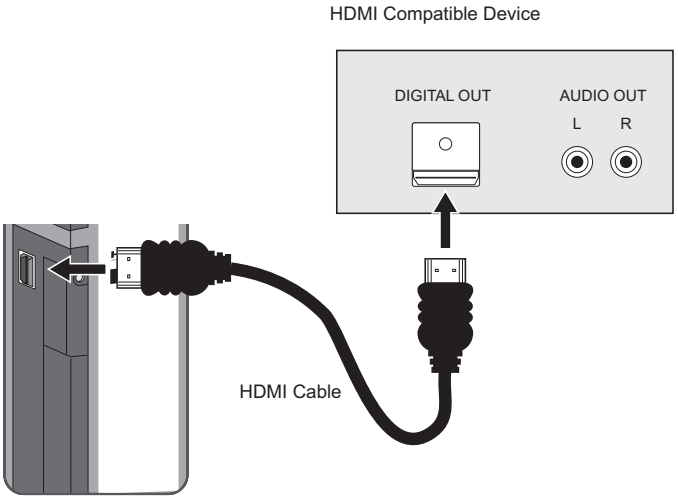
Notes:

- If 480p signals (640x480 or 720x480) are displayed on the screen, the horizontal balance may be slightly shifted. Access the “DIGITAL-IN” in the initial setup menu to adjust it. (Refer to page 45.)
- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to ANALOG. See "DIGITAL-IN AUDIO", page 45.

Connecting to a HDMI Compatible Device

By connecting a HDMI compatible device, high definition pictures can be displayed on your TV in their digital form. Some HDMI devices can include DVD players, D-VHS or any HDMI compatible device.

HDMI (High Definition Multimedia Interface) is the first industry supported, uncompressed, all digital audio/video interface. HDMI provides and interface between any audio/video source, such as a set-top box, DVD player, A/V receiver or an audio and/or video monitor, such as a digital television (DTV).



1) Connect the HDMI Cable from the DIGITAL OUT on the back of your DTV or HDMI device, to the DIGITAL-IN on the back of your television.

Note:

- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to DIGITAL. See "DIGITAL-IN AUDIO", page 45.

Step 4 – The Interactive Plug In Menu

When you turn your television on for the first time the interactive plug-in menu will appear. The plug-in menu helps you to get your TV ready to use by letting you set your preferences for:

- The language in which you want the onscreen menus to appear.
- Setting the TV's clock to the correct time so your timer functions will work properly. You can choose "AUTO" or "MANUAL" for setting the clock.
- The auto tuner setup of which channels you wish to receive.

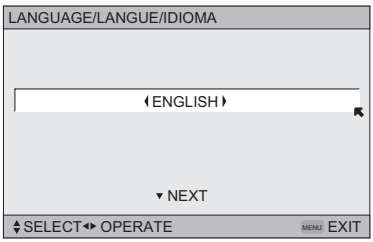
We recommend you complete the interactive plug-in items before you start using your television.

Notes:

- The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case use the onscreen menus to perform these settings. See pages 40, 50, 31.
- If you press the Menu button while setting up the interactive plug-in menu, it will skip over it.

Language

After the "JVC INTERACTIVE PLUG IN MENU" has been displayed, the TV automatically switches to the LANGUAGE settings. You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).



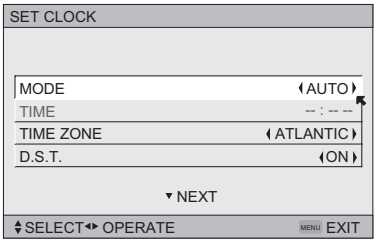
◀▶ To choose a language:
(English, Français or Español)

▼ To NEXT (To set clock)

(To be continued...)

Auto Clock Set

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:



◀▶ To choose AUTO

▼ To TIME ZONE

◀▶ To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)

▼ To move to D.S.T. (Daylight Savings Time)

◀▶ To turn D.S.T. ON or OFF

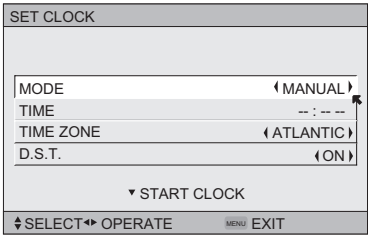
▼ To NEXT (To Auto Tuner Setup)

Notes:

- D.S.T. can be used only for US and Canada when it is set to ON in the SET CLOCK menu.
- Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Manual Clock Set

To set your clock manually (without using the XDS signal), choose MANUAL. If you choose AUTO, see auto clock set above.



◀▶ To choose MANUAL

▼ To TIME

◀▶ To set the hour

▼ To minute

◀▶ To set the minute

▼ To Start Clock

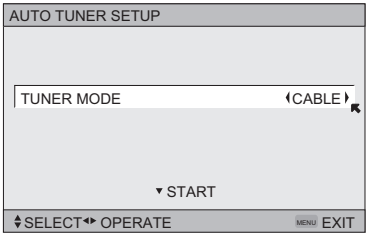
Note:

- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

(To be continued...)

Auto Tuner Setup

In auto tuner setup, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/– buttons) you will receive only clear, active channels.



◀▶ To choose CABLE or AIR (or SKIP when you skip Auto Tuner Setup)

▼ To START

Programming will take approximately 1 to 2 minutes.

When the setup is finished, THANK YOU!! SETUP IS NOW COMPLETE is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Notes:

- Noise muting will not work during Auto Tuner Setup.
- Skip appears only for interactive plug-in menu.

Cable Box and Satellite Users: After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.

The Quick Setup is complete

Remote Programming

Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.

Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

1) Find the cable box or satellite brand from the list of codes shown below.
2) Slide the 2-way selector switch to “CATV”.
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the cable box/satellite receiver.

- If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 27.

Cable Box	CODES
ABC	024
Archer	032, 025
Cableview	051, 032
Citizen	022, 051
Curtis	058, 059
Diamond	024, 032, 025
Eagle	029
Eastern	034
GC Brand	032, 051
Gemini	022, 043
General Instrument	065, 024, 025, 026, 027, 020, 021, 022, 057, 023
Hamlin	040, 041, 042, 045, 058, 064
Hitachi	049, 024
Jerrold	065, 024, 025, 026, 027, 020, 021, 022, 057, 023
Macom	049, 050, 051, 054
Magnavox	033
Memorex	030
Movietime	032, 051
Oak	039, 037, 048
Panasonic	055, 056, 060, 071, 073
Paragon	063
Philips	028, 029, 030, 052, 053, 031, 069
Pioneer	047, 062
Pulsar	051, 032

Cable Box	CODES
Puser	032
RCA	061, 070
Realistic	032
Regal	058, 064, 040, 041, 042, 045, 068
Regency	034
Rembrandt	037, 032, 051, 038
Samsung	051
Scientific Atlanta	057, 058, 059
SLMark	051, 047
Sprucer	051, 056
Stargate	032, 051
Telecaption	067
Teleview	047, 051
Texscan	044
Tocom	035, 036, 066
Toshiba	050
Unika	032, 025
Universal	022, 032
Videoway	052
Viewstar	029, 030
Zenith	063, 046
Zenith/Drake Satellite	046

Digital Satellite Systems	CODES
Echostar	100, 113, 114, 115
Express VU	100, 113
G.E.	106
G.I.	108
Gradiente	112
Hitachi	104, 111
HNS (Hughes)	104
Panasonic	105
Philips	102, 103
Primestar	108
Proscan	106, 109, 110
RCA	106, 109, 110
Sony	107
Star Choice	104, 108
Toshiba	101
Uniden	102, 103

Remote Programming

VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

1) Find the VCR brand from the list of codes shown below.
2) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “VCR”.
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the VCR.

- If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 27.
- After you program your remote, some VCR buttons may not work properly. If so, use the VCR’s remote.
- To record, hold down the REC button on the remote and press PLAY.

VCRs	CODES
Admiral	035
Aiwa	027, 032, 095
Akai	029, 072, 073, 074
Audio Dynamic	003, 005
Bell & Howell	063, 071
Broksonic	020, 026, 094
Canon	023, 025
CCE	043
Citizen	064
Craig	063, 029, 064
Curtis Mathes	045, 024, 027, 093
Daewoo	043, 059, 024, 092
DBX	003, 004, 005
Dimensia	045, 093
Emerson	043, 026, 077, 061, 025, 042, 020, 076
Fisher	063, 066, 067, 065, 071, 091
Funai	027, 026, 020, 000
G.E.	033, 045, 024
Go Video	037, 051, 049, 050, 089
Goldstar	064
Gradiente	083, 084, 081, 000, 001
Hitachi	023, 045, 058, 027, 081, 093
Instant Replay	024, 023
Jensen	003
JVC	000, 001, 002, 003, 004, 005
Kenwood	003, 004, 064, 005
LXI	027, 064, 058, 065, 066, 063, 067
Magnavox	031, 023, 024, 086
Marantz	003, 004, 005
Marta	064
Memorex	024, 067
MGA	038, 040, 047, 048, 041, 042
Minolta	058, 045, 093
Mitsubishi	038, 040, 047, 048, 041, 042, 078, 090
Multitech	047, 027, 062
NEC	003, 004, 005, 000
Olympic	024, 023
Optimus	028, 021, 035, 064
Orion	026, 020
Panasonic	023, 024, 021, 022
Penney	024, 058, 045, 063, 003, 004, 005, 093
Pentax	058, 005, 045, 093
Philco	031, 024, 027, 023, 026, 020, 043
Philips	031, 023, 024, 086
Pioneer	023
Proscan	045, 058, 023, 024, 031, 046, 059, 060, 033, 087, 093
Quasar	021, 022, 023, 024
Radio Shack	033, 024, 063, 036, 067, 040, 027
RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093
Realistic	024, 063, 036, 067, 040, 027
Samsung	037, 060, 062, 033, 089
Samtron	089
Sansui	003, 026, 020, 052
Sanyo	063, 067, 091, 071
Scott	059, 060, 062, 067, 038, 040, 047, 048, 026, 020
Sears	063, 064, 065, 066, 058, 000, 001
Shintom	075
Sharp	035, 036, 080, 088
Signature 2000	027, 035
Singer	075
Sony	028, 029, 030, 053, 054, 055
SV 2000	027
Sylvania	031, 023, 024, 027
Symphonic	027, 081
Tashiro	064
Tatung	003, 004, 005
Teac	003, 004, 027, 005
Technics	021, 022, 023, 024
Teknika	024, 027, 070
Toshiba	059, 046, 079
Vector Research	005
Wards	035, 036, 067, 044, 064
Yamaha	063, 003, 004, 005
Zenith	044, 082, 064, 094

Remote Programming

DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

1) Find the DVD player brand from the list of codes shown below.
2) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “DVD”.
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the DVD player.

- If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 27.
- After you program your remote, some DVD buttons may not work properly. If so, use the DVD player’s remote.

DVD Player	CODES	DVD Player	CODES
Aiwa	043	RCA	021, 026
Apex	040	Sampo	034
Denon	020, 037	Samsung	030
Hitachi	030, 031	Sharp	028
JVC	000	Silvania	038
Kenwood	035	Sony	024, 045, 046, 047
Konka	039		
Mitsubishi	025	Technics	020
Onkyo	041	Toshiba	023
Oritron	044	Vialta	050
Panasonic	020	Wave	042
Philips	023, 036	Yamaha	020
Pioneer	022	Zenith	027, 032
Raite	033		

Search Codes

Cable/Satellite Search Codes Function

1) Slide the first 2-Way Mode Selector switch to CATV.
2) Press the POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the POWER button on the remote, and see if the cable or satellite box responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times without a response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

VCR/DVD Search Codes Function

1) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “VCR” or “DVD”.
2) Press the VCR or DVD POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times for the VCR (40 times for the DVD player), and there is no response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

Onscreen Menus

Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

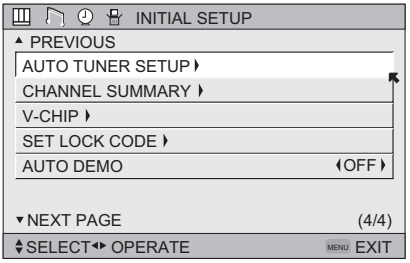
▲▼ Up and Down arrows mean press the CH+ or CH– buttons. Pressing the CH+ or CH– buttons let you:
- Move vertically in a main menu screen
- Move through a submenu screen
- Move to the next letter, number, or other choice in a submenu
- Back up to correct an error
- Scan through TV channels (when not in a menu screen)

◀▶ Left and right arrows mean press the VOLUME+ or VOLUME- buttons to move left or right to:
- Select a highlighted menu item
- Select an item in a submenu
- Select numbers in certain menu options
- Turn the volume up or down (when not in a menu screen)

The "press button" icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)

The "helping arrow" icon points to the highlighted or selected item in a menu.

To bring up the onscreen menu, press the MENU button on the remote control. The item that appears in green is the one currently selected. If you use the Menu button on the TV's front panel instead of the remote, an additional menu screen showing INPUT, VIDEO STATUS and ASPECT will appear between INITIAL SETUP and PICTURE ADJUST. The "interactive plug-in menu" will appear the first time the TV is plugged in.



Note:

- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

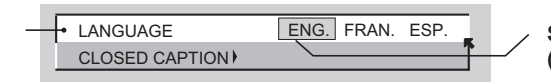
The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 21 - 23.

The Onscreen Menu System

To open the onscreen menu system, press the MENU button on the remote control. You navigate within the onscreen menus by using the four directional arrow buttons on the remote control. (These buttons are also the CH +/– and VOL +/– buttons. Channel and volume functions will not operate when the onscreen menu is active).

The selected feature and option on a menu screen are highlighted in a different color.



To move to a different feature use the ▲▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◄ ► to select an option from the highlighted feature. Pressing MENU on the remote control will close the onscreen menu system and return you to normal television viewing.

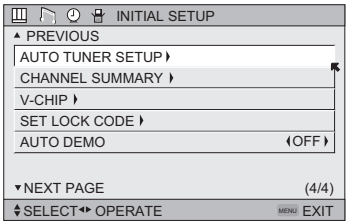
Each menu and its features will be discussed in the following pages of this guide.

Notes:

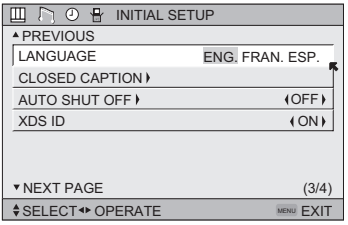
- If you do not press any buttons for a few seconds, the onscreen menu will automatically shut off.
- Button names in this guide are shown in SMALL CAPITAL LETTERS.
- Menus may appear in different sizes onscreen depending on the aspect ratio selected.
- Some menu items may not appear in menu screens when certain aspect ratios or inputs are selected.

Onscreen Menus

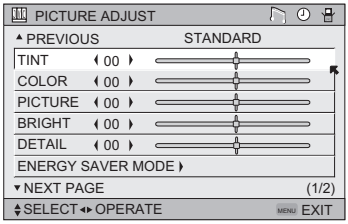
Press the MENU button



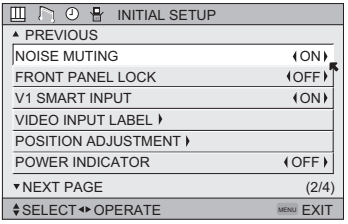
INITIAL SETUP 04



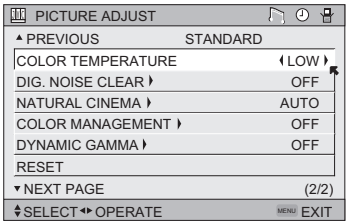
INITIAL SETUP 03



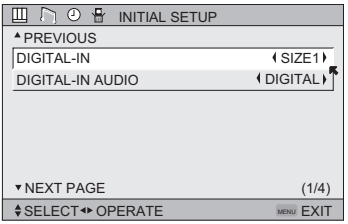
PICTURE ADJUST 01



INITIAL SETUP 02



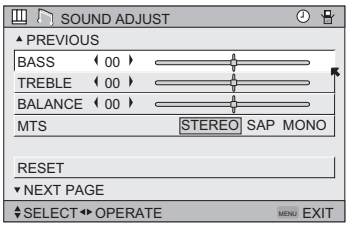
PICTURE ADJUST 02



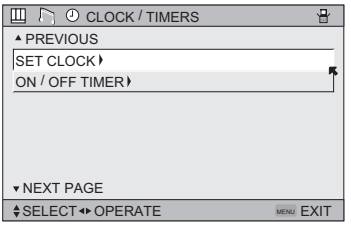
INITIAL SETUP 01

Notes:

- The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the digital-in terminal and the picture is being displayed on the screen.
- When the Menu button on the TV side panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 04 and PICTURE ADJUST will appear.



SOUND ADJUST



CLOCK/TIMERS

Auto Tuner Setup

The auto tuner setup function is described on page 23 as the interactive plug-in menu. If you need to run the auto tuner setup again, follow the steps below.

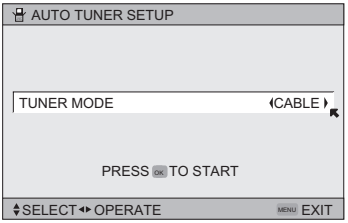
Press the MENU button

▲▼ To AUTO TUNER SETUP

◀▶ To operate

◀▶ To choose CABLE or AIR

Press the OK button to start



Programming will take approximately 1 to 2 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

Press the Menu button when finished

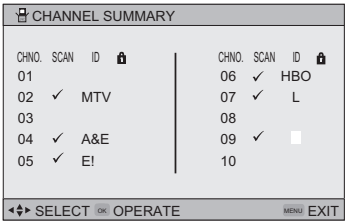
Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. You can add or delete channels from the line-up or set the channel label as you like or prevent any unauthorized viewers from watching any or all 181 channels.

Press the MENU button

▲▼ To CHANNEL SUMMARY

◀▶ To operate



The Channel summary screen will now be displayed with the channels set to scan marked with an "√". You can delete channels from the scan by removing the "√". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "√" next to the channel number.

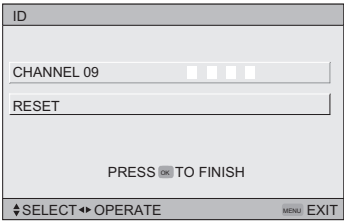
▲▼◀▶ To the SCAN column

Press the OK button to include or delete from scan

Press the MENU button when finished

Initial Setup

How to set the channel label.



- Press the MENU button
- ▲▼ To CHANNEL SUMMARY
- ◀▶ To operate
- ▲▼ To the ID column
- Press the OK button to enter
- ◀▶ To select the character you want
- ▲▼ To move to the next space

...continue to follow these directions for all four spaces

- Press the OK button to finish

Your characters are now set

- Press the MENU button when finished

If you want to reset the characters you set:

- Press the MENU button
- ▲▼ To CHANNEL SUMMARY
- ◀▶ To enter
- ▲▼ To the ID column
- Press the OK button to enter
- ▲▼ To select RESET
- Press the OK button to finish

Your characters are now reset

Notes:

- You can use characters for: Alphabet, numbers, marks and spaces.
- It is possible to set the maximum of 40 channel labels.
- If you try to set more than the 40 maximum, the message "MEMORY OVERFLOW" will appear.

You can block access to a channel by activating the channel lock.

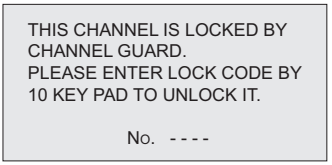
- Press the MENU button
- ▲▼ To CHANNEL SUMMARY
- ◀▶ To operate
- ▲▼◀▶ To the Lock Column (🔒)
- Press the ZERO button to lock or unlock that channel
- Press the MENU button when finished

Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the Lock Code using the 10 key pad.
If the wrong code is entered, the message "INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code is entered.



Notes:

- Once a channel has been unlocked, it will remain unlocked until the television is turned off.
- See also "Set Lock Code", page 39.

V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US and Canada rating guidelines. V-Chip has no effect on video signals from a DVD discs, VCR tapes or Camcorder connection.

Note: Some programs, and movies are broadcast without a ratings signal. Even if you set up V-CHIP ratings limits, these programs will not be blocked. See page 34 for information on how to block unrated programs.

Note (for Canadian viewers): The V-Chip function is based on specifications designed for the United States and therefore may not work properly in Canada.

You can customize the V-Chip settings of your television to match your personal tastes. The V-Chip menu below is the starting point for your V-Chip settings

You can use US V-Chip settings (for programming broadcast from the United States), Canadian V-Chip settings (for programming broadcast from Canada), and movie ratings. You may use any or all of the settings (US V-Chip, Canada V-Chip, Movie ratings). Descriptions for setting each of the three V-Chip formats appear in the next six pages along with descriptions of the rating categories.

To access the rating categories:

Press the MENU button

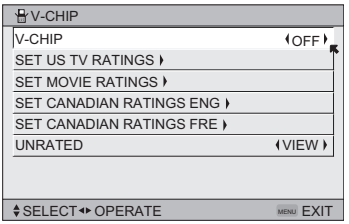
▲▼ To V-CHIP

◀▶ To operate (Lock icon will appear)

Press ZERO to access the V-Chip menu

◀▶ To turn V-Chip ON or OFF (V-Chip must be turned ON for rating settings to operate)

▲▼ To move to SET US TV RATINGS, SET MOVIE RATINGS, or SET CANADIAN RATINGS (see following pages for descriptions of each item)



Initial Setup

Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials
- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

Directions to Block Unrated Programs

You can block programs that are not rated.

Press the MENU button

▲▼ To V-CHIP

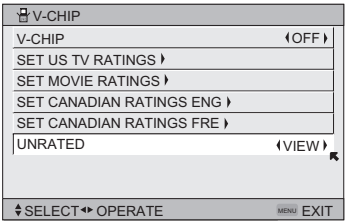
◀▶ To operate (The lock icon appears)

Press ZERO to access V-Chip setup options

▲▼ To UNRATED

◀▶ To VIEW or BLOCK

Press MENU when done



US V-Chip Ratings

U.S. PARENTAL RATING SYSTEMS

Programs with the following ratings are appropriate for children.

- ❑ **TV Y is Appropriate for All Children**
  Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.
- ❑ **TV Y7 is for Older Children**
  Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

Programs with the following ratings are designed for the entire audience.

- ❑ **TV G stands for General Audience**
  Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.
- ❑ **TV PG Parental Guidance Suggested**
  May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.
- ❑ **TV 14 Parents Strongly Cautioned**
  Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.
- ❑ **TV MA Mature Audiences Only**
  These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

Initial Setup

Setting US V-Chip Ratings

Press the MENU button

▲▼ To V-CHIP

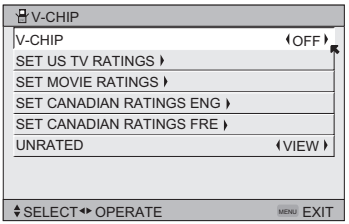
◀▶ To operate (lock icon appears)

Press ZERO to access the V-Chip menu

◀▶ To turn V-Chip ON or OFF

▲▼ To move to SET US TV RATINGS

◀▶ To operate



Directions to set US V-Chip Ratings

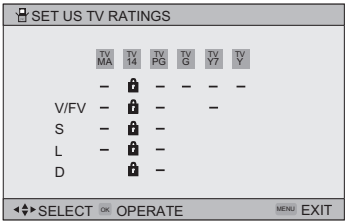
Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the ▲▼ or ◀▶ to move the cursor to the correct location. Press OK to turn the locking feature on or off. An item is locked if the icon appears instead of a "—".

For example. To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you've put a lock on the top row, everything in that column is automatically locked.

▲▼◀▶ To the TV 14 Column

Press the OK button to lock

Press the MENU button when finished



Note:

- If you want to change the setup, move the cursor to the top column and change the lock icon to "—" by pressing OK again. You may then select individual categories to block.

Movies Ratings

❒ **NR – Not Rated**
This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.

NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.

❒ **G – General Audience**
In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.

❒ **PG – Parental Guidance**
Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.

❒ **PG-13 – Parents Strongly Cautioned**
Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.

❒ **R – Restricted**
These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.

❒ **NC-17 – No One Under 17**
These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.

❒ **X – No One under 18**
Inappropriate material for anyone under 18.

Directions to set Movie (MPAA) Ratings

Press the MENU button

▲▼ To V-CHIP
◀▶ To operate (Lock icon appears)

Press ZERO to access V-Chip setup options

▲▼ To SET MOVIE RATINGS
◀▶ To enter movies menu

For example:

To block viewing of X and NC-17 rated from shows:

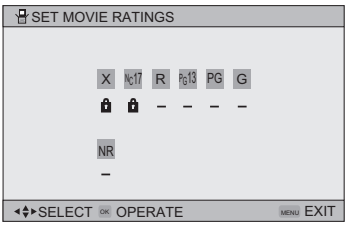
▲▼◀▶ To the X Column

Press the OK button to lock

▲▼◀▶ To the NC-17 Column

Press the OK button to lock

Press the MENU button to finish



Initial Setup

Canadian V-Chip Ratings

- **E – Exempt**
  Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.
- **C – Programming Intended for Children**
  Violence Guidelines: There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.
- **C8+ – Programming Intended for Children 8 and Over**
  Violence Guidelines: Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. There will be no offensive language, nudity or sexual content.
- **G – General Audience**
  Programming will contain little violence and will be sensitive to themes which could affect younger children.
- **PG – Parental Guidance**
  Programming intended for a general audience, but which may not be suitable for younger children. Parents may consider some content not appropriate for children aged 8-13.
- **14+ – 14 Years and Older**
  Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Programming may contain mature themes and scenes of intense violence.
- **18+ – Adult**
  Material intended for mature audiences only.

Directions to set Canadian V-Chip Ratings

Press the MENU button

▲▼ To V-CHIP
◀▶ To operate (lock icon 🔒 appears)

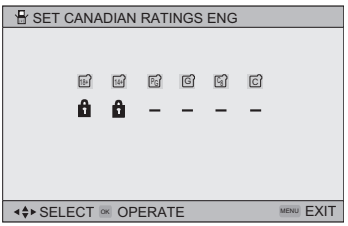
Press ZERO to access V-Chip setup options

▲▼ To SET CANADIAN RATINGS ENG (for English)
◀▶ To enter ratings menu

For example:

To block viewing of programming rated 14+ and 18+:

◀▶ To the 18+ Column
Press the OK button to lock
◀▶ To the 14+ Column
Press the OK button to lock
Press the MENU button to finish



Note:

- For instructions on “SET CANADIAN RATINGS FRE (in French)”, please see page 38 in the French side of this user’s guide.

Set Lock Code

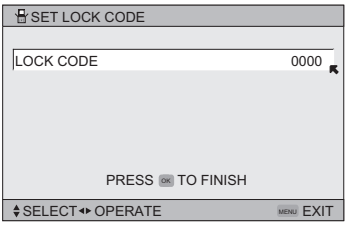
Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes preset with a lock code of “0000”. You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.

Press the MENU button

▲▼ To SET LOCK CODE

◀▶ To operate (lock icon appears)

Press ZERO to access the lock code



The first digit will be highlighted

◀▶ To select the number

▲▼ To move to the next digit

Continue to follow these directions for all four numbers

Press the OK button to finish (your lock code is now set)

Press the Menu button when finished

When a viewer attempts to watch a blocked channel, this message appears:

THIS PROGRAMMING EXCEEDS
YOUR RATING LIMITS.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
NO. - - - -

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

Notes:

- After a power interruption you must reset the lock code.
- Write your lock code number down and keep it hidden from potential viewers.
- If you forget the lock code, a new code may be set using the steps listed above.

Initial Setup

Auto Demo

This function lets you preview the Dynamic Gamma demo.

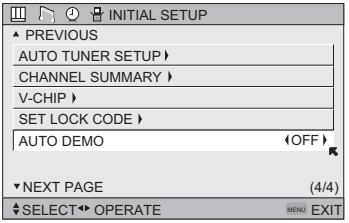
Press the MENU button

▲▼ To AUTO DEMO

◀▶ To turn AUTO DEMO ON or OFF

Note:

- To stop auto demo, press the BACK button.



Language

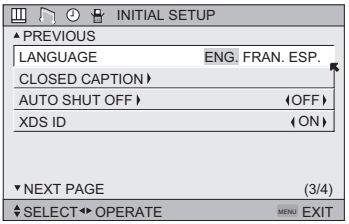
The language function is described on page 21 as the interactive plug-in menu. If you need to choose the language again, follow the steps below.

Press the Menu button

▲▼ To LANGUAGE

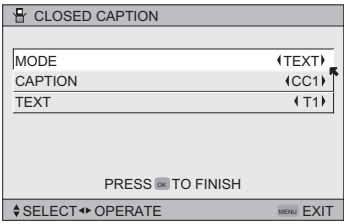
◀▶ To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)

Press the MENU button when finished



Closed Caption

Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below.



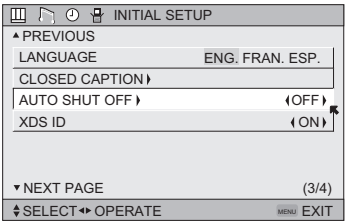
- Press the MENU button
- ▲▼ To CLOSED CAPTION
- ◀▶ To operate
- ◀▶ To select CAPTION or TEXT in MODE
- ▲▼ To select CAPTION or TEXT
- ◀▶ To select a caption (CC1 to CC4) or text channel (T1 to T4)
- Press the OK button to save
- Press the MENU button when finished

Notes:

- Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.
- Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.
- Most broadcasts containing closed captioning will display a notice at the start of the program.
- To select the mode, press the C.C. button. See page 57.

Auto Shut Off

This function automatically shuts off your TV when there is no signal from the channel the TV is on.



- Press the MENU button
- ▲▼ To AUTO SHUT OFF
- ◀▶ To turn ON or OFF
- Press the MENU button when finished

- If the channel that you have on does not receive a signal for more than one minute, the blinking text "NOT RECEIVING A SIGNAL AUTO SHUT OFF IN 9 MIN." appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.

Initial Setup

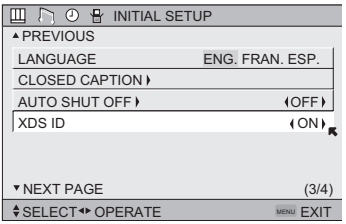
XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.

Press the MENU button

▲▼ To XDS ID
◀▶ To turn ON or OFF

Press the MENU button when finished



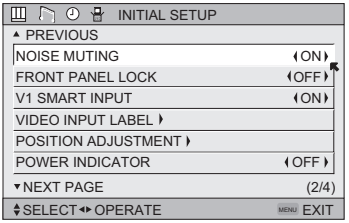
Noise Muting

This feature inserts a blank grey screen over channels which are not broadcasting or are too weak to be received clearly.

Press the MENU button

▲▼ To NOISE MUTING
◀▶ To turn noise muting ON or OFF

Press the MENU button when finished



Note:

- Noise muting will not work during auto tuner setup or when you operate channel summary.

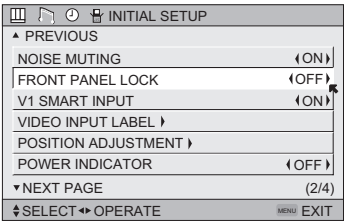
Front Panel Lock

This allows you to lock the keys on the front of the TV, so that a child may not accidentally change your viewing preferences.

Press the MENU button

▲▼ To FRONT PANEL LOCK
◀▶ To turn ON or OFF

Press the MENU button when finished



You can turn off this feature in the following ways:

- Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.
- Use the remote control.
- Press the MENU button on the front of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

Note:

- To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.

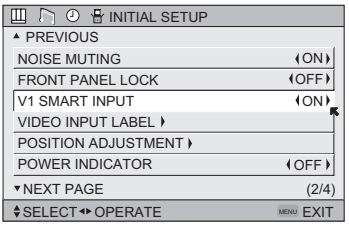
V1 Smart Input

This feature is used if you have connected an AV Receiver to your television. By turning this feature on, your television can automatically detect the signal source from your components that are connected to your AV Receiver.

Press the MENU button

▲▼ To V1 SMART INPUT
◀▶ To turn ON or OFF

Press the MENU button when finished



Notes:

- If you do not have an AV Receiver connected to your television, turn this feature OFF. By doing so, you can take advantage of using AV CompuLink components with your television.
- Some AV Receivers may not work with this function.

Video Input Label

This function is used to label video input connections for the onscreen displays.

Press the MENU button

▲▼ To VIDEO INPUT LABEL

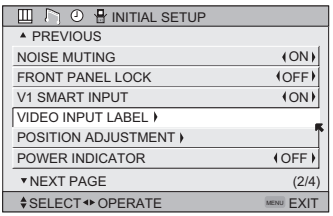
◀▶ To operate

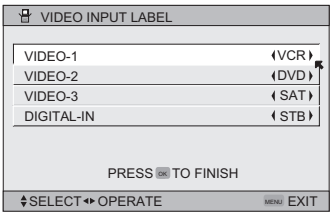
▲▼ To select the desired video input

◀▶ To select the desired preset input label (see chart below)

Press the OK button to save

Press the MENU button when finished





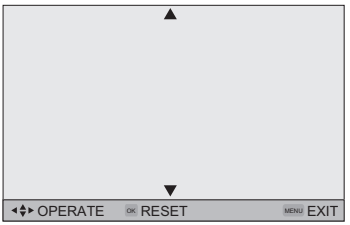
Preset Labels	Select when...
VCR	You have a VCR connected to the video input
DVD	You have a DVD connected to the video input
D-VHS	You have a Digital VCR connected to the video input
STB	You have a Set-top Box connected to the video input
SAT	You have a Satellite Receiver connected to the video input
AMP	You have an Amplifier connected to the video input
GAME	You have a Video Game connected to the video input
CAM	You have a Video Camera connected to the video input
DISC	You have a Video Disc player connected to the video input

Initial Setup

Position Adjustment

Position adjustment allows you to adjust the position of the picture on the screen vertically when the aspect is set to panorama, cinema, or full.

Press the MENU button
▲▼ To POSITION ADJUSTMENT
◀▶ To enter
▲▼◀▶ To adjust the position
Press the MENU button to finish



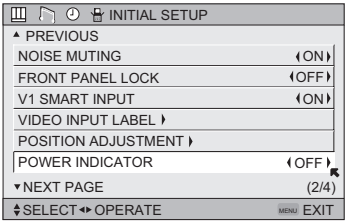
Notes:

- To reset the adjustment to the center, press the OK button.
- When the arrow disappears, while you are adjusting the position, the position is at it's maximum limit.
- If you select regular size with aspect or Multi Screen, position adjustment option is not seen.
- When you change the screen size, perform the position adjustment again.
- Position adjustment allows you to adjust the screen position vertically and horizontally when the aspect is set HD panorama or cinema zoom for 1080i and 720p signals.

Power Indicator

Power indicator allows you to adjust the brightness of the power indicator

Press the MENU button
▲▼ To POWER INDICATOR
◀▶ To adjust POWER INDICATOR LOW, HIGH or OFF



Notes :

- When OFF is selected :
  The LED disappears if you have a TV signal.
  The LED is lit as "LOW" when there is no TV signal.
- When the On Timer turns ON, the LED is lit as "LOW" when you turn the power off.

Digital-In

The DIGITAL-IN option can only be displayed in the INITIAL SETUP menu when a HDMI480p picture signal is being input to the DIGITAL-IN terminal. This option adjusts the position when a HDMI or DVI 480p picture signal is being displayed on the screen. There are two types of HDMI480p picture signals: 640x480 and 720x480. If the displayed picture is slightly shifted, the position can be adjusted by selecting either SIZE1 or SIZE2.

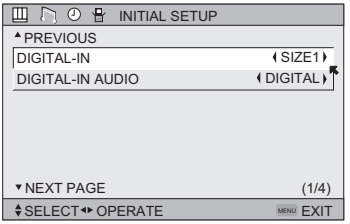
Press the MENU button

▲▼ To DIGITAL-IN

◀▶ To enter

◀▶ To select SIZE1 or SIZE2

Press the MENU button to finish



Note:

- The DIGITAL-IN menu can only be displayed when a HDMI or DVI 480p picture signal is input to the Digital-In terminal and the picture is being displayed on the screen.

Digital-In Audio

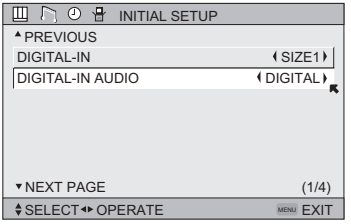
This feature is used if you have a DTV or HDMI compatible component connected to your TV.

Press the MENU button

▲▼ To DIGITAL-IN AUDIO

◀▶ To select “ANALOG” or “DIGITAL”

Press the Menu button when finished



Notes:

- If your DTV or HDMI component is capable of digital audio and video, choose DIGITAL. If your DTV or HDMI component is capable of analog audio and digital video, choose ANALOG.
- Refer to your DTV or HDMI component’s instruction manual for more information.

Picture Adjust

Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

TINT
Tint allows you to adjust the levels of red and green in your TV picture.

COLOR
The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

PICTURE
Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

BRIGHT
You can adjust the overall brightness of the TV picture with the Bright control.

DETAIL
The Detail feature adjusts the level of fine detail displayed in the picture.

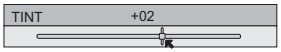
ENERGY SAVER MODE
The energy saver mode adjusts the level of brightness on the TV screen.

Adjust the Picture Settings

Press the MENU button

▲▼ To TINT, COLOR, PICTURE, BRIGHT, DETAIL or ENERGY SAVER MODE

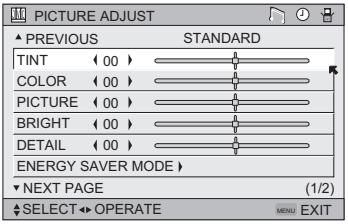
◀ ▶ To enter



◀ ▶ To adjust the setting

▲▼ To move to the next setting

Press the MENU button when finished



Picture Adjust

Color Temperature

You can decide how strong or dull the colors appear on the TV screen.

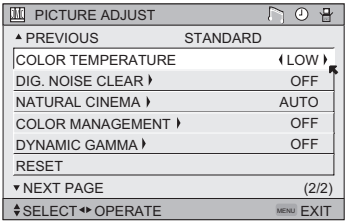
Press the MENU button

▲▼ To COLOR TEMPERATURE

◀▶ To enter

◀▶ To set LOW or HIGH

Press the MENU button when finished



Digital Noise Clear

With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.

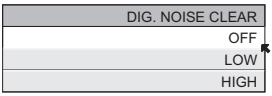
Press the MENU button

▲▼ To DIG. NOISE CLEAR

◀▶ To enter

▲▼ To select the mode “LOW”, “HIGH” or “OFF”

Press the MENU button when finished



Natural Cinema

Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, choose NATURAL CINEMA and set it to AUTO. Natural Cinema helps correct conversion errors that occur when film, which is shot at 24 frames-per-second, is broadcast at the television rate of 30 frames-per-second.

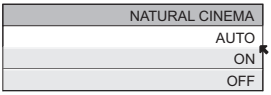
Press the MENU button

▲▼ To NATURAL CINEMA

◀▶ To enter

▲▼ To select the mode “AUTO", "ON" or "OFF”

Press the MENU button when finished



Notes: The natural cinema mode is automatically set to “AUTO” in the following cases:

- Turning on or off
- Changing the channel or input mode
- Using multi-screen functions

Picture Adjust

Color Management

This TV supports the COLOR MANAGEMENT function to ensure dull colors are compensated to produce natural hues.

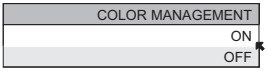
Press the MENU button

▲▼ To COLOR MANAGEMENT

◀▶ To enter

▲▼ To select the mode “ON" or "OFF"

Press the MENU button when finished



Dynamic Gamma

JVC's Dynamic Gamma Circuitry (DGC makes it easier to see dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas. DGC is turned on, DGC analyzes and adjusts the total level of picture brightness balance, especially in dark areas where the level of greyscale is often lost, turning completely to black DGC automatically enhances the detail in these dark areas providing a more dynamic image with finer detail, so the optimum picture settings are automatically set for each picture. Normally use with DGC on.

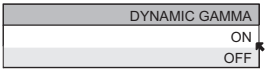
Press the MENU button

▲▼ To DYNAMIC GAMMA

◀▶ To enter

▲▼ To turn ON or OFF

Press the MENU button when finished



Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, color temperature, dig. noise clear, Color Management and Dynamic Gamma) at once to the default settings.

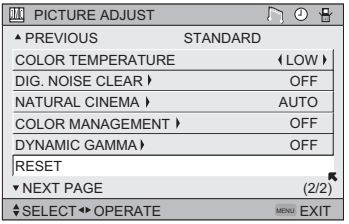
Press the MENU button

▲▼ To RESET

◀▶ To enter

The onscreen menu disappears for a moment, and then the settings are reset to the default setting for all the picture adjustments.

Press the MENU button when finished



Sound Adjust

Sound Settings

These settings allow you to change and adjust the sound on your television.

BASS – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

TREBLE – Use treble to adjust the level of high-frequency sound in your TV's audio.

BALANCE – Adjust the level of sound between the TV's left and right speakers with the balance setting.

Adjust the Sound Settings

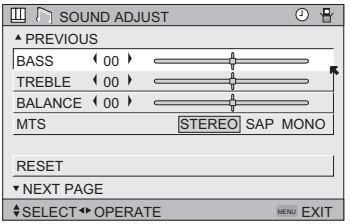
Press the MENU button

▲▼ To BASS, TREBLE or BALANCE

◀ ▶ To adjust the setting

▲▼ To move to the next setting

Press the MENU button when finished



Note:

- You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 49.
- You can adjust BALANCE only when A.H.S. is off. See page 55.

MTS (Multi-Channel Television Sound)

MTS technology allows several audio signals to be broadcast at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).

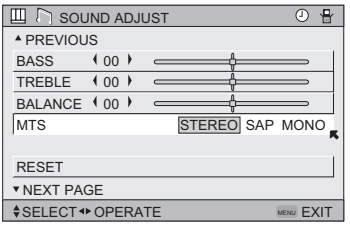
Press the MENU button

▲▼ To MTS

◀ ▶ Select the mode

(The ON AIR arrow tells you if a broadcast is in stereo and/or contains an SAP).

Press the MENU button when finished



Notes:

- Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.
- Choose the mono setting to reduce excessive noise on a certain channel or broadcast.
- Selecting SAP will allow you to hear an alternative soundtrack, if one is available.
- MTS unavailable if your television's input source is in input 1, 2, 3 or 4 mode, as described on page 54.

Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 48 on how to use reset.

Clock/Timers

Set Clock

The set clock function is described on page 22 as the interactive plug-in menu. You can choose to set the clock automatically, or manually. If you need to set the clock again, follow the steps below.

Press the MENU button

▲▼ To SET CLOCK

◀▶ To operate

When you set the clock automatically, choose AUTO by pressing the ◀ or ▶ arrows.

▲▼ To TIME ZONE

◀▶ To select your time zone

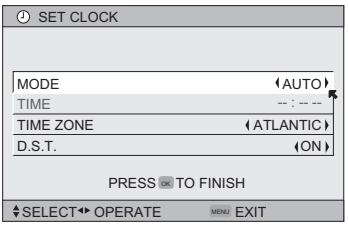
ATLANTIC ⟷ EASTERN ⟷ CENTRAL ⟷ MOUNTAIN ⟷ PACIFIC ⟷ ALASKA ⟷ HAWAII

▲▼ To D.S.T. (daylight savings time)

◀▶ To turn D.S.T. ON or OFF

Press OK to finish

Press the MENU button when finished



When you set the clock manually, choose MANUAL by pressing the ◀ or ▶ arrows.

▲▼ To move to the hour

◀▶ To set the hour

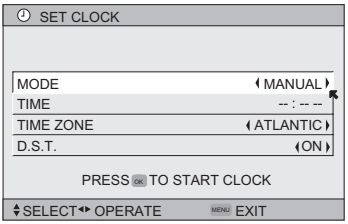
▲▼ To move to minutes

◀▶ To set the minutes

Press OK to start clock

THANK YOU !!

Press the MENU button when finished

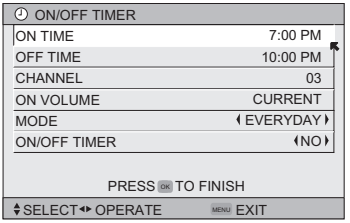


Notes:

- D.S.T. can be used only for US and Canada when it is set to ON in the SET CLOCK menu.
- Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.



- Press the MENU button
- ▲▼ To ON/OFF TIMER
- ◀▶ To operate (begins with ON TIME)
- ◀▶ To set the hour (AM/PM) you want the TV to turn on
- ▼ To move to minutes
- ◀▶ To set the minutes
- ▼ To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME
- ▼ To accept OFF TIME and move to CHANNEL
- ◀▶ To select channel
- ▼ To ON VOLUME
- ◀▶ To set the volume level
- ▼ To move to MODE
- ◀▶ Choose ONCE or EVERYDAY
- ▼ To ON/OFF TIMER
- ◀▶ Choose YES to accept the timer setting, choose NO if you don't wish to accept
- Press the OK button to finish
- Press the MENU button to exit the menu

Notes:

- The on/off time cannot be set to locked or guarded channels.
- In order for the on/off timer to work, the clock must be set.
- After a power interruption, the timer settings must be reset.

Button Functions

Multi Screen Function

Your television has two kinds of screen: TWIN (2 channels) and INDEX (12 channels).

Note: After you press any multiscreen button, if you press the menu button, only the picture adjust screen will appear.

Index

This allows you to quickly look at up to 12 channels at a time so that you can decide which one to watch.

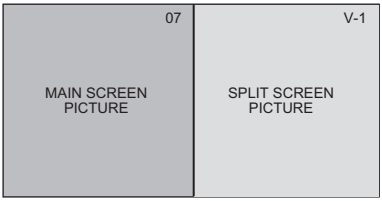
1	2	3	4
5	6	7	8
9	10	11	12

Notes:

- Only RF input signal will be displayed.
- You can watch the channel added in channel summary. See page 31.

Twin

Activate the split-screen option by pressing TWIN on the remote control. The channel (or input) you were watching before pressing TWIN will appear on the left, the new channel will appear on the right. The sound will continue to come from the main screen channel (or input). To turn split-screen off and return to normal television viewing, press TWIN again or press the BACK button.



Notes:

- Main Screen and Split Screen will not display the same channel or input at the same time.
- You can enter the TWIN mode when the screen is in NORMAL or INDEX mode.
- Split-screen functions will not work with locked channels or channels blocked by V-Chip ratings limits. A grey screen will display instead.
- The aspect of MAIN CHANNEL PICTURE becomes 16:9 when you input the picture of 480p, 720p and 1080i from the component terminal.
- After you press the SELECT button, and select SPLIT SCREEN when you press the OK button, select normal screen. If you don't operate, the MAIN CHANNEL SCREEN will be automatically selected about 8 seconds later.
- Aspect does not work in Twin mode.
- When you press the Menu button in Twin mode, it appears only as Picture Adjust menu.
- If the signal that you are watching is coming from the HDMI input, you can not enter the TWIN mode.

Button Functions

Freeze

Pressing the FREEZE button causes the screen to change to the split-screen display with the still picture displayed on the right. In order to return to the normal display, press the FREEZE button once again.

Note: When the screen is in freeze mode, if you do not operate it within 15 minutes, this function will cancel out.

Swap

You can exchange the channel (or input) displayed in the split screen window for the main screen image by pressing the SWAP button.

Select

With SELECT, you can select the picture (channel) while viewing SPLIT screen. When you press SELECT button, the channel number on the top will be highlighted. Each press of SELECT will shift the channel.

Button Functions

Power

Turns the TV on or off.

Press the POWER button

Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 12:

0 (Zero)

1 (One)

2 (Two)

Tune

Lets you decide the input channel and select it. After you press the number buttons on the remote, press the TUNE button. For example, to move to channel 12:

1 (One)

2 (Two)

Press the TUNE button

Input

Selects the signal input source for the television: INPUT-1, 2, 3 or 4 for video devices like VCR's DVD players, or camcorders.

Press the INPUT button

Notes:

- When you return to TV mode, press the RETURN +/TV button or direct 10 key pad.
- You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose INPUT by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).

Channel +/–

Use these buttons to move up or down all the available channels your TV is able to receive.

Volume +/–

Use these buttons to raise or lower the TV's volume level.

Button Functions

Return +

The RETURN+ button has two functions:

Return - Returns to the channel viewed just before the channel currently onscreen.

Return+ - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH– buttons.

RETURN+ and hold for three seconds

RETURN CHANNEL
PROGRAMMED!

The channel currently active has been programmed as your return+ channel. Now scan through the channels using the CHANNEL+/– buttons.

RETURN+

You will return to your programmed channel.

- To cancel your return+ channel, press and hold the RETURN+ button for three seconds. The message “RETURN CHANNEL CANCELLED!” will appear.
- Return+ works only with the Channel+/– buttons. Pressing any number key will cancel return+.

Sound

Note : SMART SOUND (LT-26X585 and LT-32X585 ONLY)

By pressing the SOUND button, you can change the A.H.S. (Advanced Hyper Surround) mode, BBE, SMART SOUND and A.H.B (Active Hyper Bass) on or off.

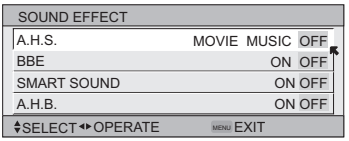
A.H.S. - Adds a more spacious surround sound. Music gives basic effect and movie for more effect.
BBE - BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.
SMART SOUND - Decreases high sound levels, giving a regulated sound level.
A.H.B. - You can reinforce the bass sound to maintain rich, full bass at low volumes, and enjoy a clear sound with boosted bass..

Press the SOUND button

▲▼ To select A.H.S., BBE, SMART SOUND or A.H.B.

◀▶ To choose the setting

Press the MENU when finished



Note: Manufactured under license from BBE Sound, Inc. Licensed by BBE Sound, Inc. under USP4638258, 5510752 and 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

Muting

The MUTING button instantly turns the volume down completely when you press it. Press MUTING and the volume level will instantly go to zero. To restore the volume to its previous level, press MUTING again.

Button Functions

Video Status

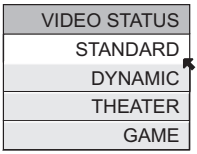
The VIDEO STATUS button gives you a choice of four TV picture display settings, including a display of your own preferences.

Standard - Resets the picture display to the factory settings.

Dynamic - Gives a vivid picture with better contrast when viewing in a brightly lit room.

Theater - Gives a rich, film-like look to video when viewing in a dimly lit room.

Game - Used for when you are playing video games connected to your TV.



Press the VIDEO STATUS button
By every press of the VIDEO STATUS button, you change the mode.

Note:

- You can also change the mode by pressing the ▲▼ buttons.
- You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose VIDEO STATUS by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).

TheaterPro D6500K

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.

Press the THEATERPRO button

Sleep Timer

The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.

Press the SLEEP TIMER button

→ 0 15 30 45 60 75 90 105 120 135 150 165 180 →

Sleep Timer Message

20 seconds before the automatic shutoff, this message will appear:

GOOD NIGHT!!
PUSH SLEEP TIMER BUTTON
TO EXTEND

You then have 20 seconds to press the SLEEP TIMER button to delay the shut off for another 15 minutes.

Button Functions

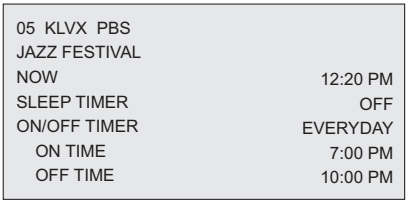
Display

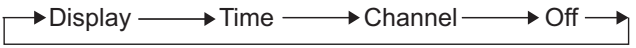
The display screen shows the current status of timers, inputs, and XDS ID.

Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:





Display - Full screen shown above

Time - Shows the current time only

Channel - Shows the current channel

Off - Turns display off

Notes:

- You may also turn off the display at any step by pressing MENU.
- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.

C.C. (Closed Caption)

Use the C.C. (Closed Caption) button to select the mode of closed caption.

Press the C.C. button

LT-26X585 and LT-32X585 **ONLY**

LT-26X575 and LT-32X575 **ONLY**

- Smart Caption will appear when you press the MUTING button, only on channels where the broadcast contains closed captioning. (LT-26X585 and LT-32X585 ONLY)
- When you select ON, it will be the mode selected in the Closed Caption Menu.
- See page 41 when you set the caption/text mode.

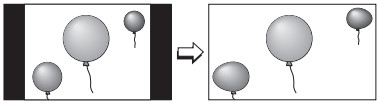
Button Functions

Aspect

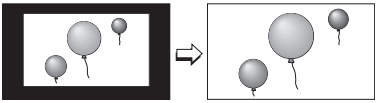
This feature will help you adjust the picture you are watching to give you the best possible picture quality.

Aspect Ratios

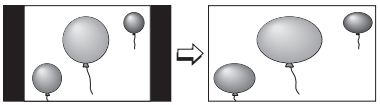
PANORAMA - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.



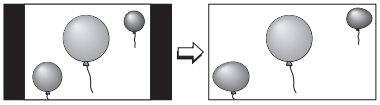
CINEMA - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.



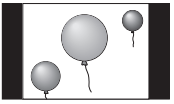
FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.



HD PANORAMA - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black side bars.



REGULAR - The regular ratio is used when you want to watch a 4:3 broadcast or recorded program without modifying the original picture to fit the dimensions of your 16:9 screen. The 4:3 picture will fill the screen from top to bottom, while black bars will appear to fill up the remaining space along the picture's sides. The 4:3 picture will be centered within the boundaries of the 16:9 screen.



CINEMA ZOOM - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black surrounding bars.

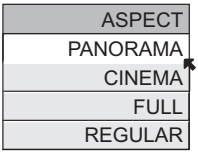
Aspect Ratios (Continued)

Press the ASPECT button

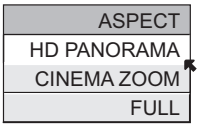
- *By pressing the ASPECT button, you can change the size.*

When you change the aspect ratios, it is different from their broadcast or recorded program.

NTSC, 480i, 480p



HD (1080i, 720p)



Notes:

- You can also choose the size by pressing the ▲▼ buttons.
- When you change the aspect ratio or signal, reset the picture position to center.
- You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).

Menu

The MENU button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

- See individual topics like "Sound Adjust" for specific information on using menus.

OK

This button confirms your selection when you are in one of the onscreen menus.

Back

This button allows you to go back in the menu to change a selection or correct a mistake.

Button Functions

TV/CATV Slide Switch

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

Note:

- See page 24 for information on programming your remote for cable box operation.

VCR/DVD Slide Switch

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

Notes:

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 25.
- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 26.

VCR Buttons

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on, and power off.

Move the selector switch to **VCR** to operate.

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 25.

DVD Buttons

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on, and power off.

Move the selector switch to **DVD** to operate.

- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 26.

Light

All remote control buttons are illuminated, except for the TV/CATV slide switch, VCR/DVD slide switch and Light button. Press the LIGHT button to turn the illumination on for 4 seconds.

No Program

If the TV channel you selected, or were watching is not receiving a signal, "NO PROGRAM" appears on the television screen. It appears when that channel is not receiving a signal and you have the Noise Muting function OFF and you have a single screen. It moves automatically every two seconds.

Note:

- Even if "NO PROGRAM" appears on the screen, your timer functions and auto shut off functions that you set, are still active.

Troubleshooting

PROBLEMS	CHECK
There is no power	• See if the power cord became unplugged. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	• The antenna could be disconnected. • The input mode could be set improperly. See page 54. • The tuner (Auto Tuner Setup) could be set improperly. See page 31. • The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	• Check to see that the batteries are still working and properly installed. • Make sure the remote has a clear sight path to the TV. • Check that the TV/CATV switch is in the proper position. • You may be too far from the TV. You must be within 23 feet (7 meters).
You cannot select a certain channel	• Make sure the channels have been programmed. See "Channel Summary", page 31. • Check to see if the channel is locked. See "Channel Summary - Lock" page 32.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 51. • Check to see if the Sleep Timer was set. See page 56.
The clock is wrong	• The power was interrupted and the clock was not reset. See page 50.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 46. • The Video Status mode may be turned to the wrong setting. See page 56.
There are lines across the picture	• There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	• There could be interference from a high-wattage appliance, like a hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	• A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	• Your antenna may be damaged, disconnected or turned. Check the antenna connection. If the antenna is damaged, replace it.
Screen is 40% black	• The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 41.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See "MTS" on page 49.
Static electricity	• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.
The AUTO DEMO finished automatically	• The On Timer that you programmed has started. • The channel that the AUTO DEMO is using is a channel that is blocked by V-Chip. • The Auto Shut Off that you programed has occured.

JVC®

LIMITED WARRANTY

COLOR TV 1-1

For Canadian model televisions, see separate sheets for Canadian Warranty information.

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")
FOR DIRECT-VIEW COLOR TELEVISION, PICTURE TUBE is covered for Two(2)years.

Parts	Labor
1 YEAR	**1 YEAR**

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Please do not return your product to the retailer

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
1700 Valley Road
Wayne, NJ 07470
http://www.jvc.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : _____ Serial No. : _____

Purchase date : _____ Name of dealer : _____

TO OUR VALUED CUSTOMER

THANK YOU FOR PURCHASING THIS JVC PRODUCT.

WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?

JVC® IS HERE TO HELP!

TOLL FREE: 1(800)252-5722

http://www.jvc.com

Remember to retain your Bill of Sale for Warranty Service.

Do not attempt to service the product yourself

Caution

To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

BT-51011-8
(0504)

Specifications

Model	LT-26X585 LT-26X575	LT-32X585 LT-32X575
Type	LCD Flat Television	
Reception Format	NTSC, BTSC System (Multi-Channel Sound) HDTV digital broadcast ready	
Reception Range	VHF 2 to 13, UHF 14 to 69 Sub, Mid, Super, Hyper and Ultra bands (180 channel frequency synthesizer system)	
Power Source	AC 120V, 60 Hz	
Power Consumption	152W	195W
Screen Size	26 inch / 65 cm measured diagonally, 16:9 ratio	32 inch / 80 cm measured diagonally, 16:9 ratio
Speakers	6.6 cm round X 2	
Audio Output	Full Range - 10W + 10W	
Antenna Terminal	75 ohms (VHF/UHF) (F-type connector)	
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4dBs) high impedance	
Conponent Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) Pb/Pr: 0.7 Vp-p 75 ohms	
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms	
Audio Output Jacks (FIX)	FIX: 500mVrms (-4dBs) Low impedance (1000 Hz when modulated 100%)	
Digital–In	HDMI jack x 1 Note: The Digital–In terminal is not compatible with picture signals of a personal computer	
Headphone Jack	Ø 3.5 mm X 1	
Dimensions (in) W x H x D (cm)	27 3/4 x 21 7/8 x 11 7/8 70.3 x 55.5 x 30	32 7/8 x 25 x 11 7/8 83.4 x 63.2 x 30
	27 3/4 x 19 3/8 x 4 1/4 (TV ONLY) 70.3 x 49.1 x 10.7 (TV ONLY)	32 7/8 x 22 3/8 x 4 1/4 (TV ONLY) 83.4 x 56.8 x 10.8 (TV ONLY)
Weight (lbs / kg)	41.8 / 19	50.6 / 23
	34.8 / 15.8 (TV ONLY)	43.6 / 19.8 (TV ONLY)
Accessories	Illuminated remote control unit / AA batteries X 2	

Specifications subject to change without notice.

Note:

- Reception of channel A-5 ("95" of the TV set's on-screen cable channel numbers) is not recommended for your TV set.

Notes

Notes

Notes

Notes

Notes

Notes

JVC COMPANY OF AMERICA
Division of JVC Americas Corp.
1700 Valley Road
Wayne, New Jersey, 07470

JVC CANADA, INC.
21 Finchdene Square
Scarborough, Ontario
Canada, M1X 1A7

JVC

SERVICE MANUAL

LCD FLAT TELEVISION

LT-32X575/KA,
LT-32X585/KA

BASIC CHASSIS
FL

Supplementary

Here is some information related to the exchange of LAMP UNIT in the LCD PANEL UNIT.
For details other than those described in this manual, please refer to the LT-32X575/KA and LT-32X585/KA service manual (No.YA180, 2004/8).

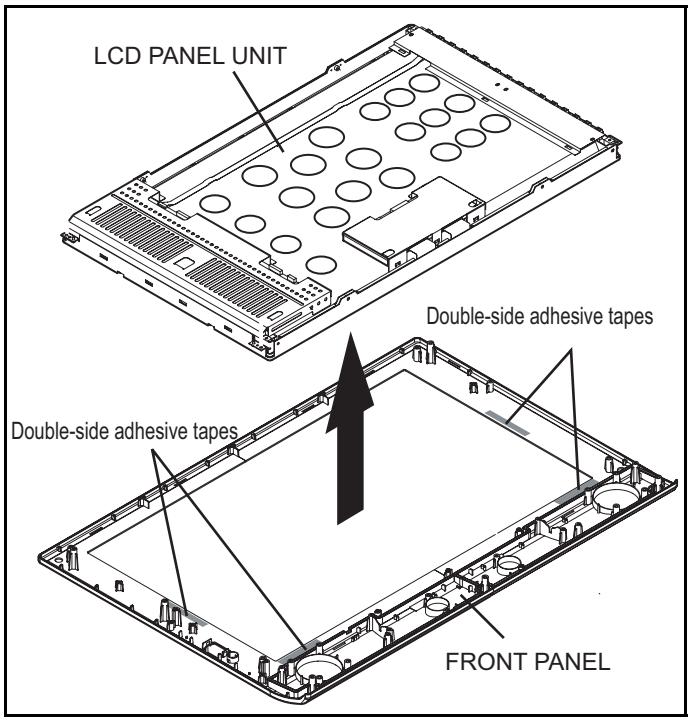
No.YA180B
2004/9

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 CAUTION ON REMOVING THE LCD PANEL UNIT

The LCD PANEL is fixed to the FRONT PANEL (at the back side) by using double-side adhesive tapes. To remove the LCD PANEL UNIT, remove the adhesive tape on the FRONT PANEL slowly.



3.1.2 REMOVING THE CONTROL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the LCD PANEL UNIT.
  (1) Remove the 2 screws **[A]**, then remove the CONTROL PWB COVER.
  (2) Disconnect the connector [CN1] / [CN2] / [CN4] / [CN5] from the CONTROL PWB .
  (3) Remove the 2 screws **[B]**, then remove the CONTROL PWB.

3.1.3 REMOVING THE INVERTER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the LCD PANEL UNIT.
  (1) Remove the 3 screws **[C]**, then remove the INVERTER PWB COVER.
  (2) Disconnect the connector [CN5] / [CN6] / [CN12] / [CN13] / [CN14] / [CN15] from the TOP INVERTER PWB (HOT SIDE).
  (3) Disconnect the connector [CN3] / [CN4] / [CN8] / [CN9] / [CN10] / [CN11] from the BOTTOM INVERTER PWB (HOT SIDE).
  (4) Remove the 4 screws **[D]**, then remove the TOP INVERTER PWB and BOTTOM INVERTER PWB (HOT SIDE).
  (5) Remove the 6 screws **[E]**, then remove the INVERTER PWB (GND SIDE).
  (6) Disconnect the connector [CN7] / [CN16] / [CN17] / [CN18] / [CN19] / [CN20] / [CN21] / [CN22] / [CN23] from the INVERTER PWB (GND SIDE).

3.1.4 REMOVING THE LAMP UINT (Fig.1)

< SYMPTOMS OF DEFECTED LUMP UNIT >

When one of the LAMP UNIT pair (2 LAMPS) die and the power is supplied, the screen image appears just for a second then disappears.

- Remove the STAND.
- Remove the REAR COVER.
- Remove the LCD PANEL UNIT.
- Remove the CONTROL PWB.
  (1) Remove the FERRITE CORE.

  CAUTION:
  Carry out the procedure with extra care as the FERRITE CORE is affixed with double-side adhesive tapes and it may break if extra force is applied.
  (2) Remove the 4 screws **[F]**, the 4 screws **[G]** , the 4 screws **[H]** and the 4 screws **[J]**, then remove the PANEL FRAME.
  (3) Remove the 6 screws **[K]**, then remove the LAMP HOLDER.
  (4) Remove the LAMP CLIP, then remove the LAMP UINT.

■ CAUTION ON EXCHAGING THE LAMP UINT

- LAMP UINT is supplied as a pair. After a long period of use, exchanging only died LAMP may cause the uneven brightness on the screen as the exchanged LAMP is the brightest of all. Change all 7 pairs of the LAMP UINT when exchange is required.
- If the screws that are not specified in this section are removed, the LCD PANEL will be removed and it cannot be reassembled.

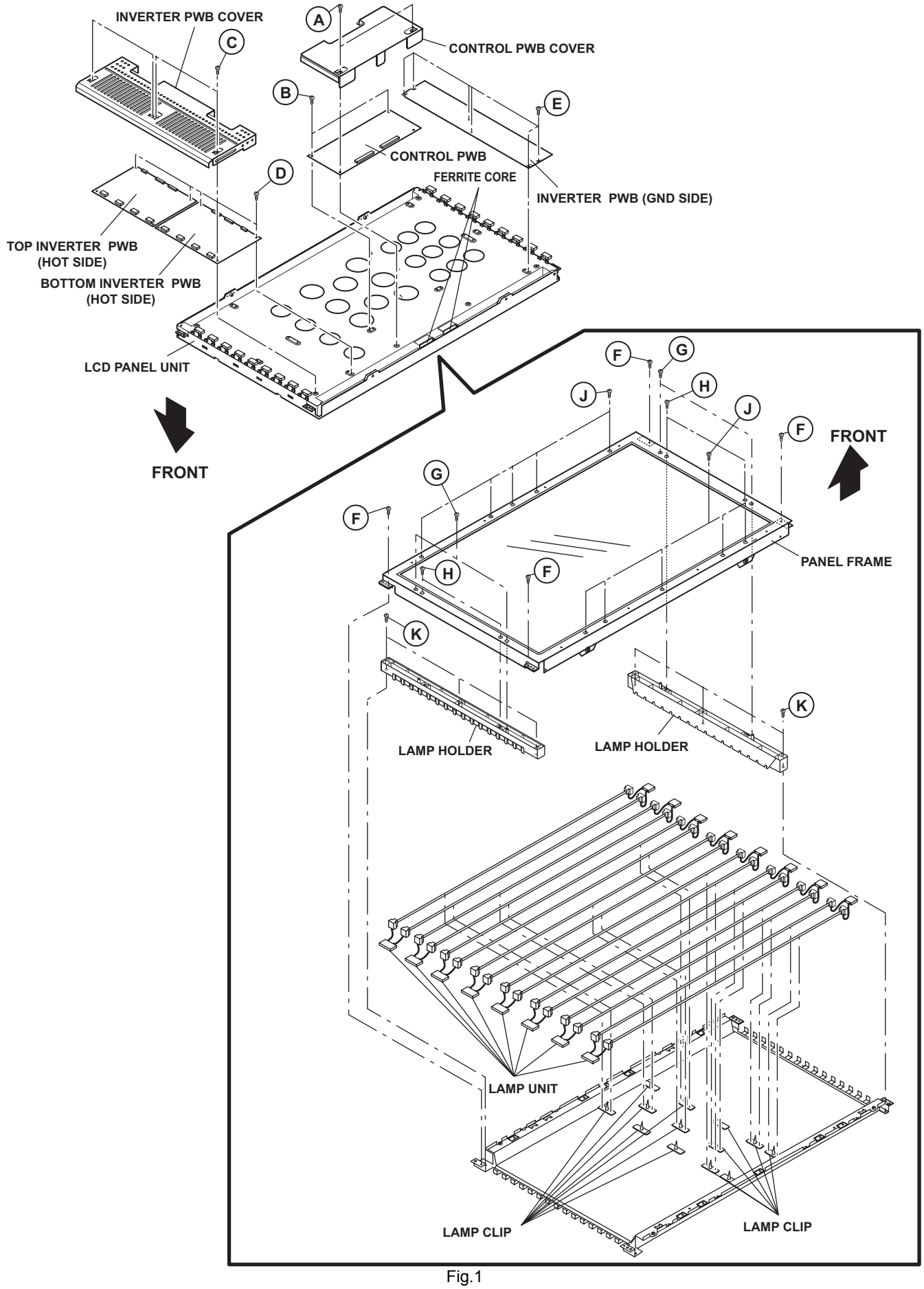
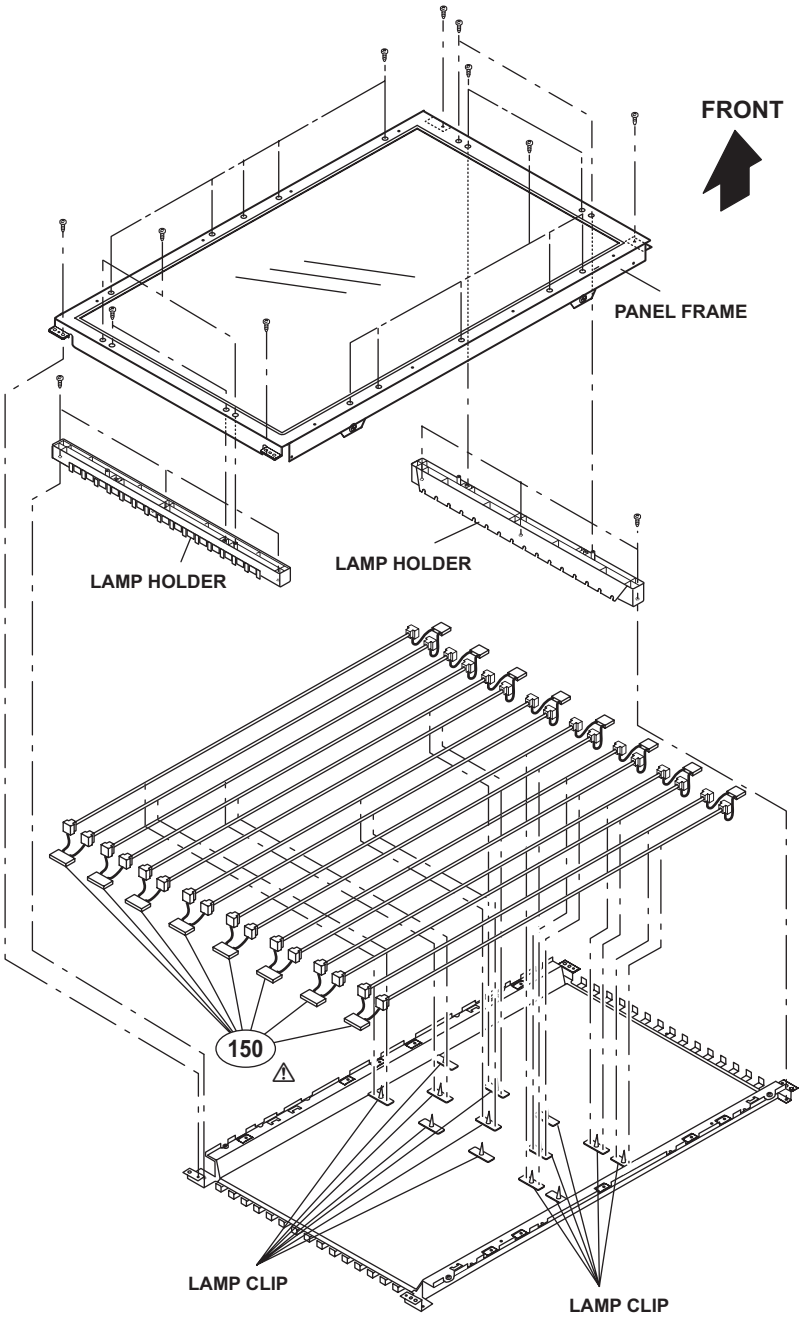

INVERTER PWB COVER
A
C
CONTROL PWB COVER
B
E
CONTROL PWB
FERRITE CORE
D
INVERTER PWB (GND SIDE)
TOP INVERTER PWB
(HOT SIDE)
BOTTOM INVERTER PWB
(HOT SIDE)
LCD PANEL UNIT
FRONT
F
G
H
J
J
F
FRONT
G
F
PANEL FRAME
H
F
K
K
LAMP HOLDER
LAMP HOLDER
LAMP UNIT
LAMP CLIP
LAMP CLIP

Fig.1

PARTS LIST

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	150	LQ0DDB5418	LAMP UNIT	2pcs in 1set	

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(No.YA180B)

Printed in Japan
WPC